

1 October 2007

Ohana Military Communities, LLC
5173 Nimitz Road
Honolulu, HI 96819

Re: Phase I Environmental Site Assessment Update
South Ford Island Naval Family Housing Property

To Ohana Military Communities, LLC:

We have conducted a Phase I Environmental Site Assessment Update ("Update") in accordance with the American Society of Testing and Materials' ("ASTM") Standard Practice E 1527-05 for the South Ford Island Naval Family Housing Area (the "Site"). As part of this Update, we have, among other things, conducted visual inspections of the Site and adjoining properties, interviewed a knowledgeable representative of Ohana Military Communities, LLC and appropriate regulatory agency officials, obtained an updated electronic environmental reports database search report, and reviewed an updated environmental lien search commissioned by Ohana Military Communities, LLC. In addition, Ohana Military Communities, LLC, as User, has provided us with the information required by Section 6 of the ASTM Standard Practice E 1527-05 where applicable. The following summarizes these activities:

- ◆ Visual inspections of the Site were conducted on 14 July 2007. A dust perimeter fence has been installed at the south and east boundaries of the Site. Except for the road that runs along the south perimeter of the Site, concrete has been removed and was being crushed on Site for use as fill under building slabs. Excavations for utility trenches were also ongoing, and utility piping was being installed. Soil removed from the excavations was being stockpiled onsite and managed in accordance with the Pesticide Soils Management Plan. Transite piping found in a utility corridor southwest of Building 462 (the Brig) was observed. Housing units have not yet been constructed at the Site. Building 445, the lift station, was not yet demolished at the time of the inspection; therefore, Recognized Environmental Conditions ("RECs") associated with Building 445 remain as RECs. Except for construction of family housing at PPV North Ford Island, there were no changes to adjoining properties as observed during the visual inspections.
- ◆ The environmental database search conducted on 23 July 2007, reported no additional mapped sites to those identified in the previous database search report within the ASTM Standard Practice E 1527-05 minimum search distances. Unmapped sites have been identified in the environmental database search reports for this Update and for the September 2006 Phase 1 ESA. Listed sites are unmapped because address information is insufficient to ascertain their distance to the Site in accordance with the prescribed search distances. These sites are listed as follows:
 - HISTSITES – The USS Arizona wreck and the USS Utah wreck are listed in the National Register of Historic Places and do not constitute RECs to the Site.
 - FINDS – Special Project R34-03 Repairs is listed as being under the National Pollutant Discharge Elimination System compliance program. Building 3 at Ford Island is listed in the EPA's Facility Registry System. There are no ongoing environmental investigations/compliance actions at either of these facilities; therefore, these facilities do not constitute RECs to the Site.
 - ERNS – Building 3 at Ford Island is listed in ERNS from the disposal of 50 lbs of asbestos tiles that were removed during renovation in 1993. Based on renovation being complete, this facility does not constitute a REC to the Site.

- LUST – Cleanup at the Naval Ocean Processing Facility site is complete. Thus, this site does not constitute a REC to the Site. The LUST at Lift Station FI-047 constitutes a REC to the Site for as long as cleanup is not complete.
 - NCDB – The Submarine Training Center was inspected for asbestos. There are no other environmental investigations/compliance actions for this facility; therefore, this facility does not constitute a REC for the Site. The USS Missouri was inspected for PCBs and the database indicates that no action is warranted; therefore, this facility does not constitute a REC for the Site.
 - RCRA GEN – The Seal Delivery Vehicle Team One and Navy PWC Ford Island are listed as a small quantity generator and a large quantity generator, respectively. Seal Delivery Vehicle Team One is also listed in RCRA NLR, indicating that it no longer generates hazardous waste and that there are no ongoing environmental investigations/compliance actions at this facility; therefore, this facility does not constitute a REC to the Site. Navy PWC Ford Island continues to generate hazardous waste and has experienced non-compliance and enforcement action; therefore, Navy PWC Ford Island constitutes a REC to the Site.
 - RELEASES – A 50-gallon diesel spill occurred at Building 44 on Ford Island in 1996. The release was stopped and a boom was deployed to contain the release. Based on the date of occurrence of this release and actions taken during the release, this spill does not constitute a REC to the Site.
 - UST – Two tanks at the Naval Submarine Training Center and one tank at the Lift Station FI-047 are currently in use. Three tanks at the Naval Ocean Processing Facility and one tank at Building 88 are permanently out of use. There are no ongoing environmental investigations/compliance actions at these facilities; therefore, these facilities do not constitute RECs to the Site.
- ♦ (b) (6) of Ohana Military Communities, LLC was interviewed on 14 July 2007 regarding ongoing activities at the Site. According to (b) (6), environmental activities are conducted at the Site as the need arises. (b) (6) indicated that the groundwater monitoring wells found at the Site were abandoned in place. She also confirmed that the transite pipe observed during the Site inspection contained asbestos and was handled and disposed of in accordance with the Asbestos Management Plan. As a result of this discovery of transite piping at the Site, asbestos is now a REC to the Site.
 - ♦ A new chain of title for the Site, dated 1 August 2007 and commissioned by Ohana Military Communities, LLC, was reviewed. There were no environmental liens found in the chain of title for the Site.
 - ♦ The Hawaii Department of Health Office of Hazard Evaluation and Emergency Response (“HEER”) was contacted on 6 August 2007 for information regarding ongoing investigations/compliance actions related to the Site. (b) (6) of the HEER directed Parsons to contact the Navy’s Installation Restoration Program Manager, (b) (6). (b) (6) was contacted on 9 August 2007. In a follow-up communication received on 29 August 2007 at the direction of (b) (6), (b) (6) indicated that there are no changes to ongoing investigations of IRP sites (including offsite USTs and contaminated sediments at Pearl Harbor described in the September 2006 Phase 1 ESA) in the vicinity of the Site.

Based upon the information obtained from the above mentioned activities and our review of the previous Phase I ESA, dated September 2006, we have concluded that the condition of the South Ford Island Naval Family Housing Property has changed since our previous Phase I ESA. With regard to previously identified RECs, the Ford Island Landfill, pesticide soils and contaminated sediments at Pearl Harbor will remain as RECs to the Site. LBP and PCB ballasts at Building 445 will remain as RECs until the Building is demolished to make way for the new housing units. Additional sites identified by the environmental database search as listed above are either Recognized Environmental Conditions (“RECs”) or not RECs for the reasons stated above. Except for the presence of asbestos in transite piping and, we have not

identified any new RECs on the South Ford Island Naval Family Housing Property. Off-site RECs that have been identified from this Update include the LUST at Lift Station FI-047 and hazardous waste activities at Navy Ford Island PWC. It is recommended that cleanup at the LUST site and activities at Navy Ford Island PWC be monitored.

All other aspects of our prior Phase I ESA for the Site, dated September 2006, were reviewed by Parsons, remain valid and in effect, and are hereby restated. A copy of that report is attached hereto and is hereby incorporated by reference.

In conclusion, we have performed a Phase I Environmental Site Assessment Update in conformance with the scope and limitations of ASTM Practice E 1527 of the South Ford Island Naval Family Housing Property. This assessment has revealed no evidence of additional RECs in connection with the property, except those identified from the results of the environmental database search report and the interview with Ms. Chang.

This report was prepared for Ohana Military Communities, LLC, its Managing Member and other Members of Ohana Military Communities, LLC. It may be relied upon by Ohana Military Communities, LLC, its Managing Member and other Members of Ohana Military Communities, LLC, the United States of America, Department of the Navy, (b) (4)

, and each of their respective officers, directors, employees, affiliates, successors, assigns, legal counsel and advisors. The information and conclusions presented in this report are valid only for the circumstances of the Site as described as of the dates in this report.

Sincerely,

(b) (6)

PARSONS

Attachments:

Environmental Professional Statement and Signature
Final Phase I Environmental Site Assessment – South Ford Island Naval Family Housing, September 2006
Database Search

ENVIRONMENTAL PROFESSIONAL STATEMENT AND SIGNATURE

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in Section 312.10 of Title 40, Code of Federal Regulations (CFR), Part 312 dated 1 November 2005.

I have the specific qualifications based on education, training and experience to assess a property of the nature, history and setting of the South Ford Island Naval Family Housing Property. I have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR 312.

(b) (6)

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1 October 2007

(b) (6)

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, P.E.

FINAL PHASE 1 ENVIRONMENTAL SITE ASSESSMENT

SOUTH FORD ISLAND PROPOSED FAMILY HOUSING AREA

Prepared for



Honolulu, Hawaii

September 2006

Prepared by

PARSONS

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SOUTH FORD ISLAND PROPOSED FAMILY HOUSING AREA
PEARL HARBOR, HAWAII**

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ACRONYMS AND ABBREVIATIONS

ACM	Asbestos-containing material
AIRS	Aerometric Information Retrieval System
AST	Aboveground Storage Tank
ASTM	American Society of Testing and Materials
AUL	Activity and Use Limitation
BS	Bachelor of Science
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CERCLIS	Comprehensive Environmental Response, Compensation and Liability Information System
COMNAV	Commander Navy
COR	Corrective Action Report
CRA	Camel Refurbishing Area
EP	Environmental Professional
ERNS	Emergency Response Notification System
°F	Degrees Fahrenheit
FAA	Federal Aviation Administration
FCC	Federal Communication Commission
FINDS	Facility Index System
FOS	Finding of Suitability
FRS	Facility Registry System
FTTS	FIFRA/TSCA Tracking System
GEN	Generator
HDOH	Hawaii Department of Health
HMIRS	Hazardous Materials Incident Response System
HUD	United States Department of Housing and Urban Development
kg	Kilograms
km	Kilometer
LBP	Lead-based paint
lbs	Pounds
LQG	Large Quantity Generator
LUST	Leaking underground storage tank
m	Meter
mg/kg	milligrams per kilograms
MS	Master of Science

**PHASE I ENVIRONMENTAL SITE ASSESSMENT
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µg/ft ²	Micrograms per Square Foot
NAVFAC PAC	Naval Facilities Engineering Command Pacific Division
NCDB	National Compliance Data Base System
NESHAP	National Emission Standard for Hazardous Air Pollutants
NFRAP	No Further Remedial Action Planned
NLR	No Longer Report
NOI	Notice of Intent
NPDES	National Pollutant Discharge Elimination System
NPL	National Priorities List
NWI	National Wetlands Inventory
PCB	Polychlorinated biphenyl
pCi/L	picoCuries per liter
PE	Professional Engineer
ppm	parts per million
PRL	potential release location
RADINFO	Nuclear Regulatory Commission Database of Permitted Nuclear Facilities
REC	Recognized Environmental Condition
RCRA	Resource Conservation and Recovery Act
RI	Remedial Investigation
SQG	Small Quantity Generator
SSTS	Section Seven Tracking System
TCLP	Toxic Characteristic Leaching Procedure
TIGER	Topologically Integrated Geographic Encoding and Referencing System
TIS	Track Info Services, LLC
TRIS	Toxic Release Inventory System
TSCA	Toxic Substances Control Act
TSD	Treatment, Storage, and/or Disposal
USEPA	United States Environmental Protection Agency
USGS	United States Geological Survey
UST	Underground storage tank
WRCC	Western Regional Climate Center Web Page (http://www.wrcc.dri.edu/)

1.0 SUMMARY

Parsons conducted a Phase I Environmental Site Assessment in conformance with the American Society of Testing and Materials (“ASTM”) Standard Practice E 1527-05 for the following site:

- South Ford Island Proposed Family Housing Area, located on Ford Island at Pearl Harbor, Hawaii

The site is 33.626 acres. Exhibit 1, Site Map, presents the general location of the site. A complete legal description and detailed view of the site is presented on Exhibit 2, Site Survey Map.

The site is located on the southwestern portion of Ford Island at Pearl Harbor. The site consists of the former Camel Refurbishing Area (CRA) and an area directly east of it adjacent to the southern end of the airfield. The former Ford Island Landfill borders the site to the south.

Ohana Military Communities, LLC will be the lessee of the site and will develop and operate 129 housing units and will renovate or demolish existing building 445.

Available information for the site and surroundings was collected and evaluated to identify Recognized Environmental Conditions. According to the American Society for Testing and Materials (ASTM) Standard Practice E 1527-05, the term Recognized Environmental Conditions (RECs) means “the presence or likely presence of hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater, or surface water of the property.”

Based on the definition of a REC in the ASTM Standard Practice E 1527-05, the following RECs have been identified for the site:

- The Ford Island Landfill is impacted with metals, organic compounds and PCBs. It is capped and is currently being managed under a long-term monitoring and management plan. Although it qualifies as an REC, it does not pose a risk to future residents on Ford Island.
- Lead-based paint (LBP) may be present on painted exterior and interior building components of Building 445. It is recommended that the presence of LBP be disclosed to prospective tenants. Also, it is recommended that the LBP Management Plan be followed during demolition activities. It is recommended that LBP waste be tested for TCLP prior to disposal.

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- Fluorescent lighting which may use PCB-containing ballasts may be present at Building 445. It is recommended during demolition that potential PCB-containing ballasts are properly managed.
- The draft Environmental Baseline Survey (EBS) reports that pesticides and/or herbicides residues (e.g., DDT, chlordane, dieldrin and heptachlor) may be present in the soils at the site as a result of past pest management.
- The draft Finding of Suitability (FOS) reports that offsite Underground Storage Tanks (USTs) have impacted groundwater in the vicinity of the site. The majority of the USTs have been removed; however, petroleum hydrocarbon groundwater impacts have been detected in the vicinity of the location of the USTs. Polyaromatic hydrocarbons have also been detected in soil at the location of tank excavations. Given that migration of these hydrocarbons in groundwater, onto the site is possible, impacted groundwater in the vicinity of the site is a REC.
- The sediments of Pearl Harbor are in the vicinity of the site. Metals, PAHs, SVOCs, chlorinated pesticides, PCBs, dioxins, chlorinated herbicides, triazine pesticides, carbamate/urea pesticides, and ordnance compounds are considered chemicals of potential concern for the sediments of Pearl Harbor. Given the site's immediate proximity Pearl Harbor, these impacted sediments are a REC.

A Phase I Environmental Site Assessment does not include any sampling and analysis of potentially contaminated materials. The scope of work of this Phase I Environmental Site Assessment did not specifically include sampling and analysis, therefore no independent soil or groundwater or other sampling and analyses were conducted.

2.0 INTRODUCTION

2.1 PURPOSE

Parsons conducted a Phase I Environmental Site Assessment in conformance with the American Society of Testing and Materials (“ASTM”) Standard Practice E 1527-05 for the purpose of identifying RECs at the following site:

- South Ford Island Proposed Family Housing Area, located on Ford Island at Pearl Harbor, Hawaii

The site is 33.626 acres. A complete legal description and detailed view of the site is presented on Exhibit 2, Site Survey Map.

Exhibit 3 provides the approximate location of the site on a United States Geological Survey (USGS) topographic map.

The term REC, as defined in ASTM Standard Practice E 1527-05, means the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater, or surface water of the property. The term includes hazardous substances or petroleum products even under conditions in compliance with applicable laws. The term is not intended to include *de minimis* conditions that generally do not present a threat to human health and the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.

2.2 PHASE I TASKS

Parsons performed the following tasks:

2.2.1 Records review

Available current and historical documents pertinent to environmental activities conducted in or near the site were reviewed. Topics of interest include chemical usage or inventories, waste management records, Resource Conservation and Recovery Act (RCRA) or Comprehensive Environmental Response Compensation and Liability Act (CERCLA) activities.

2.2.2 Site reconnaissance and Interviews

Site reconnaissance of the site to visually and physically observe and document conditions on the property was performed on March 1, 2006. Interviews were conducted in keeping with the requirements of ASTM Standard Practice E 1527-05 § 7.1-7.2.

2.2.3 File search and records review

A search of federal, state, and local regulatory agency electronic databases was performed. This database search identifies locations that are regulated under various environmental laws, notably CERCLA, RCRA, and Toxic Substances Control Act (TSCA). It also identifies locations where a release of hazardous substances has occurred or is suspected.

2.2.4 Historical Records Review

A historic information review was conducted to identify all obvious uses from the present back to the first developed use or 1940, whichever is earlier. Available historical aerial photographs were reviewed, and any locations of activities that may pose an environmental concern to the site were identified.

2.2.5 Evaluate data and prepare report

Significant findings from the above-stated tasks were summarized, RECs were identified, and recommendations were made for additional site assessment activities, if needed.

2.3 SPECIAL TERMS AND CONDITIONS

- The information and conclusions presented in this report are valid only for the circumstances of the site investigated as described in this report, as of the dates in this report.
- Parsons evaluated the reasonableness and completeness of available relevant information, but does not assume responsibility for the truth or accuracy of any information provided to Parsons by others or for the lack of information that is intentionally, unintentionally, or negligently withheld from Parsons by others.
- After acceptance of this report, if Parsons obtains information that it believes warrants further exploration and development, Parsons will endeavor to provide that information, but Parsons will not be liable for not doing so.

2.4 LIMITATIONS AND EXCEPTIONS OF ASSESSMENT

To achieve the study objectives stated in this report, Parsons based its conclusions on the best information available during the period of the investigation and within the limits prescribed by the ASTM Standard.

No investigative method can completely eliminate the possibility of obtaining partially imprecise or incomplete information. Professional judgment was exercised in gathering and evaluating the information obtained, and Parsons commits itself to the usual care, thoroughness, and competence of the engineering profession.

2.5 LIMITING CONDITIONS AND METHODOLOGY USED

The Phase I Environmental Site Assessment investigations were completed in accordance with the ASTM Standard Practice E 1527-05.

2.6 USER RELIANCE

This report was prepared for Ohana Military Communities, LLC, its Managing Member and other Members of Ohana Military Communities, LLC. It may be relied upon by Ohana Military Communities, LLC, its Managing Member and other Members of Ohana Military Communities, LLC, the United States of America, Department of the Navy,

(b) (4)

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, and each of their respective officers, directors, employees, affiliates, successors, assigns, legal counsel and advisors.

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3.0 SITE DESCRIPTION

3.1 LOCATION AND DESCRIPTION OF PROPERTY

The South Ford Island Proposed Family Housing Area is located at Latitude (North) 21.367, Longitude (West) 157.965. The site is located on the southwestern portion of Ford Island at Pearl Harbor. The site consists of the former CRA and an area directly east, adjacent to the southern end of the airfield. The former Ford Island Landfill borders the site to the south. Exhibit 2 provides a legal description of the property and a site survey map.

Ohana Military Communities, LLC will be the lessee of the site and will develop and operate 129 housing units and will renovate or demolish existing building 445.

3.2 SITE AND VICINITY CHARACTERISTICS

Table 3-1 provides a description of the properties directly adjacent to the site.

**Table 3-1
Adjacent Properties**

Direction	Description of Adjacent Properties
North	Middle Loch of Pearl Harbor and Navy Brig.
East	Ford Island airfield.
South	Former Ford Island Landfill and airfield.
West	Middle Loch of Pearl Harbor.

3.3 DESCRIPTIONS OF STRUCTURES, ROADS, OTHER IMPROVEMENTS ON THE SITE

The site consists of the former CRA and an area directly east, adjacent to the southern end of the airfield. The entire site is covered with concrete, except for a 50 ft wide strip along the waterline, and is graded towards Pearl Harbor, allowing all surface runoff to flow directly onto the porous soil strip and into Pearl Harbor.

Building 445, which is a sewer pump station, is located within the site, and is still in use. This lift station is designated LS-4 and serves the Pearl Harbor wastewater treatment system. Boat Launch S368, located on the northern side of the CRA, is used by the Navy SEALs during exercises. A portion of an inactive aviation gas pipeline system

along with four associated fuel pits, runs along the east side of the CRA. Wasp Boulevard runs along the eastern perimeter of the CRA.

3.4 INFORMATION REPORTED BY USER REGARDING ENVIRONMENTAL LIENS OR SPECIALIZED KNOWLEDGE OR EXPERIENCE

3.4.1 Title Records

The site is currently owned by the Federal government and managed by the Department of Defense. Declarations of taking by the United States government for military use were made from May 5, 1902 through May 26, 1939.

3.4.2 Environmental Liens

A chain of title was obtained for the site. No information regarding environmental liens was found against the site.

3.4.3 Specialized Knowledge or Experience

A remedial investigation (RI) was conducted on Ford Island and completed in February 2003, for the Naval Facilities Engineering Command Pacific Division. The RI identified potential release locations (PRLs), which included the CRA and two transformer locations on the site. The RI recommended removal actions for the CRA and transformer location TA-01, and no further action for transformer location S252D. The removal action was conducted in late 2003 or 2004 and impacted soils in the vicinity of TA-01 were excavated to a PCB-concentration of 1 ppm or less.

Subsequent to the RI, a soil removal action (excavation) was conducted at the CRA during the 2nd half of 2003. Approximately 3000 tons of soil was removed at the CRA shoreline. An additional 31 tons of soil was removed from the two areas away from the shoreline. At the conclusion of the removal action, approximately 160 confirmation samples were collected to verify that cleanup goals were met. Of the 160 confirmation samples, only four had detections above project cleanup levels. A statistical analysis of the data indicates that adverse health impacts from the remaining detections above project goals are not issue of concern.

3.4.4 Commonly Known or Reasonably Ascertainable Information

Other than the information provided by the Department of the Navy contained herein, no information was reported concerning commonly known or reasonably ascertainable information.

3.4.5 Valuation Reduction for Environmental Issues

No information was reported by Ohana Military Communities, LLC concerning valuation reduction for environmental issues.

3.4.6 Owner, Property Manager, and Occupant Information

Other than the information provided by the Department of the Navy contained herein, no information was reported concerning the owner, property manager, and occupants.

3.4.7 Reason for Performing Phase I

Ohana Military Communities is entering into a real estate transaction with the United States Navy. This Phase I is performed to allow Ohana Military Communities, consistent with good commercial and customary practice, to satisfy the all appropriate inquiry into the previous ownership and use of the property.

3.4.8 Other

No information was reported by Ohana Military Communities, LLC concerning other issues.

3.5 CURRENT USES OF THE PROPERTY

With the exception of the sewer lift station located at Building 445, the site is not in use. Vehicles are occasionally parked close to the Navy Brig for visitors and Brig personnel. In the northeast corner of the site is a fenced area used for storing construction supplies and materials.

3.6 PAST USES OF THE PROPERTY

Historical uses of the property were evaluated through review of databases searched by Track Info Services, LLC (TIS) and presented in an Environmental FirstSearch™ Report. In addition, existing documents on Ford Island were also reviewed and presented in Section 4.3.

The site, consisting of the CRA and an area directly east of it, was initially used as a seaplane parking and fueling area. Since the phase-out of seaplane and aircraft use, the area was used for refurbishing portable marine piers known as camels. Refurbishing operations consisted of replacing damaged creosote-treated wood and sandblasting and painting of the camel. In later years, the camel refurbishing operation was conducted using best management practices, including the use of enclosures for sandblasting and painting, as well as covering creosote treated lumber supplies. A transformer, designated as TA-01 in the RI, was located close to the waterline.

The area east of the CRA was used for airfield support operations (taxiway). A transformer, designated in the RI as S252D, was located in this area.

3.7 CURRENT AND PAST USES OF THE ADJOINING PROPERTIES

Table 3-1 in Section 3.2, *Site and Vicinity Characteristics*, provides a description of the current uses of the adjoining properties.

Ford Island was a standalone Navy facility at one time, known as Ford Island Naval Station. It was decommissioned in 1962 and declared a National Historic Landmark in 1964. In 1976, it was entered into the National Register of Historic Places. The construction of the Admiral Clarey Bridge was completed in 1998 to finally connect Ford Island to O'ahu.

The Ford Island Landfill is located at the southwestern end of Ford Island. It is approximately 4.4 acres in size and is covered with grass and shrubs. The landfill was employed from the 1930s until the late 1960s for the disposal of burned waste related to construction and maintenance activities. After burn operations were discontinued, bulk debris was disposed at the landfill and covered with soil. The landfill ceased operating in 1982.

4.0 RECORDS REVIEW

This section presents information concerning the site and the surroundings from various recorded sources. Electronic databases representing standard environmental record sources and physical setting sources were reviewed. Information pertinent to the site is summarized in this section.

4.1 STANDARD ENVIRONMENTAL RECORD SOURCES, FEDERAL AND STATE

Parsons has retained the services of an environmental database company to search applicable regulatory agency lists and standard environmental record sources to identify locations of potential concern within the ASTM Standard Practice E 1527-05 (Standard) minimum search distances. The following summarizes the environmental database report, dated March 10, 2006. Appendix A presents the complete environmental data report. The report includes maps indicating the search distance of 0.12, 0.25, 0.5, and 1 mile (0.2, 0.4, 0.8, and 1.6 kilometers [km]) from the center of the site, which include the ASTM database required search distances of zero, 0.125, 0.25, 0.5, and 1 mile (zero, 0.2, 0.4, 0.8, and 1.6 km).

The following subsections summarize sites listed within the respective database search distances. A search of the respective environmental databases identified twenty sites within the ASTM-prescribed minimum search distances. One site was not mapped by Environmental FirstSearch™ due to poor or inadequate location information. Exhibit 4 presents the location of the mapped sites relative to the site.

None of the sites within the ASTM-prescribed minimum search distances constitute a REC to the site.

4.1.1 Federal ASTM Records

National Priorities List

The National Priorities List (NPL) listing, also known as the Superfund list, is a subset of the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) database. The NPL database identifies over 1,200 sites nationwide for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As a result, the environmental database company provides coverage for over 1,000 NPL site boundaries produced by the United States Environmental Protection Agency (USEPA) Environmental Photographic Interpretation Center.

Currently, there are no NPL sites within the 1-mile (1.6-km) search distance from the site.

Comprehensive Environmental Response, Compensation, and Liability Information System

The CERCLIS database contains data on potentially hazardous waste sites that have been reported to USEPA by states, municipalities, private companies, and private persons.

Notification to USEPA is pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). The CERCLIS database contains sites that are either proposed to be on or on the NPL, and sites that are in the screening and assessment phase for possible inclusion on the NPL.

Currently, there are no listed CERCLIS sites located within the 0.5-mile (0.8-km) search distance from the site.

CERCLIS – No Further Remedial Action Planned

Beginning in February 1995, CERCLIS site designated No Further Remedial Action Planned (NFRAP) have been removed from the CERCLIS database. NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly without the need for the site to be placed on the NPL, or the contamination was not serious enough to require Federal Superfund action of NPL consideration. USEPA has removed approximately 25,000 NFRAP sites to lift the unintended barriers to the redevelopment of these properties and has archived these as historical records so that USEPA does not needlessly repeat the investigations in the future.

Currently, there are no listed CERCLIS-NFRAP sites located within the 0.5-mile (0.8-km) search distance from the site.

Resource Conservation and Recovery Act / Corrective Action Report

The Corrective Action Report (RCRA COR) database identifies hazardous waste handlers with RCRA action activity. The database shows which nationally defined corrective action core events have occurred for every handler that has currently or previously has corrective action activity.

Currently, there are no listed RCRA COR sites within the 1-mile (1.6-km) search distance from the site.

Resource Conservation and Recovery Act information System/Treatment, Storage, and/or Disposal

The Resource Conservation and Recovery Act Information System/ Treatment, Storage and/or Disposal (RCRA TSD) database list identifies those facilities or locations that have notified USEPA of their activities relative to their onsite treatment, storage, and/or disposal of hazardous wastes. A listed site does not necessarily indicate environmental problems at the site but rather that the site is (or was) engaged in hazardous waste activities; therefore, it may have the potential to cause environmental degradation if hazardous wastes have been mishandled or otherwise released in an uncontrolled manner.

Currently, there are no RCRA TSD sites within the 0.5-mile (0.8-km) search distance from the site.

Resource Conservation and Recovery Act / Quantity Generators

The Resource Conservation and Recovery Act Information System Sites / Quantity Generators (RCRA GEN) is a database of facilities that generate or transport hazardous waste or meet other RCRA requirements. Two categories of RCRA GEN are usually considered. Large Quantity Generators (LQGs) list identifies those facilities or locations that have notified USEPA that they generate (or have generated) at least 2,200 lbs (998 kg) of non-acutely hazardous wastes and/or 2.2 lbs (1 kg) of acutely hazardous waste, monthly. Small Quantity Generators (SQGs) list identifies those facilities or locations that have notified USEPA that they generate (or have generated) less than 2,200 lbs (998 kg) of non-acutely hazardous wastes and/or 2.2 lbs (1 kg) of acutely hazardous waste, monthly. A listed site does not necessarily indicate environmental problems on the site, but rather that the site is (or was) engaged in hazardous waste activities; therefore, it may have the potential to cause environmental degradation if hazardous wastes have been mishandled or otherwise released in an uncontrolled manner.

Currently, there are no listed RCRA GEN sites within the 0.25-mile (0.4 km) search distance from the site.

Resource Conservation and Recovery Act / No Longer Report

The Resource Conservation and Recovery Act Information Sites / No Longer Report (RCRA NLR) is a database of facilities not currently classified by the USEPA but is still included in the RCRIS database. The reasons for non classification are: (1) Failure to report in a timely matter; (2) No longer in business at the listed address, and/or (3) No longer generating hazardous waste materials in quantities which require reporting.

Currently, there are no listed RCRA NLR sites within the 0.12-mile (0.2 km) search distance from the site.

Emergency Response Notification System

The Emergency Response Notification System (ERNS) is an USEPA national computer database system that is used to store information on the sudden and/or accidental release of hazardous substances, including petroleum, into the environment. The ERNS reporting system contains preliminary information on specific releases, including the spill location, the substance released, and the responsible party. The ERNS report only includes releases from 1988 to the most recent quarterly update.

Currently, there are no ERNS sites within the 0.12-mile (0.2 km) search distance from the site.

National Pollutant Discharge Elimination System

The National Pollutant Discharge Elimination System (NPDES) is a database of permitted facilities receiving and discharging effluents to and from a natural source where treatment of the effluent is monitored.

Currently, there are no NPDES sites within the 0.25-mile (0.4 km) search distance from the site.

Facility Index System

The Facility Index System (FINDS) is a database maintained by USEPA/National Technical Information Service that contains both facility information and “pointers” to other sources or more detailed information. The FINDS is the index of identification numbers associated with a property or facility which the USEPA has investigated or has been made aware of in conjunction with various regulatory programs. Each record indicates the USEPA office that may have files on the site or facility. A Facility Registry System (FRS) site has an FRS in the status field.

Currently, there are no FINDS sites within the 0.25-mile (0.4-km) search distance from the site.

Toxic Release Inventory System

The Toxic Release Inventory System (TRIS) is an USEPA database that identifies all facilities that have had or may be prone to toxic material releases.

Currently, there are no TRIS sites within the 0.25-mile (0.4-km) search distance from the site.

Wetlands

The US Fish and Wildlife Service maintain a National Wetlands Inventory (NWI) database of information summarizing characteristics, extent, and status of the Nation's wetlands and deepwater habitats. This database is available for select areas of the United States.

Currently, there are three wetlands within the 0.5-mile (0.8-km) search distance from the site. Designation as a wetland is not an indication of an environmental discharge, violation or concern. During the course of the site reconnaissance, the Environmental Professional (EP) did not observe any environmental related impacts as a result of these sites. Therefore these wetlands do not constitute a REC for the site.

Floodplains

The Floodplains is a database maintained by the Federal Emergency Management Agency which summarizes 100 year and 500 year floodplain boundaries for select counties in the United States.

Currently, there are no Floodplain sites within the 0.5-mile (0.8-km) search distance from the site.

Receptors

The sensitive receptors are listed by the 2002 Census Bureau's TIGER (Topologically Integrated Geographic Encoding and Referencing System), from the US Department of Commerce. This database summarizes all schools and hospitals that may house individuals deemed sensitive to environmental discharges due to their fragile immune systems.

Currently, there are no receptors listed within the 0.12-mile (0.2-km) search distance from the site.

Nuclear Permits

The Nuclear Regulatory Commission of the Environmental Protection Agency maintains a database of permitted nuclear facilities (RADINFO). This database provides basic information about facilities that are permitted and regulated for their use and handling of radioactive materials.

Currently, there is no Nuclear Permit on record within the 0.5-mile (0.8-km) search distance from the site.

4.1.2 State of Hawaii ASTM Records

Underground Storage Tanks

The Underground Storage Tanks (REG UST/AST) is a database identifying underground and aboveground storage tanks in the state of Hawaii. This database is maintained by the HDOH.

Currently, there are no REG UST/AST sites listed within the 0.25-mile (0.4-km) search distance from the site.

Leaking UST

The Leaking Underground Storage Tanks is a database identifying underground and aboveground storage tanks that have been leaking, and is maintained by the HDOH.

Currently, there are no leaking UST sites within the 0.5-mile (0.8-km) search distance from the site.

4.1.3 Non-ASTM Supplemental Records

Historic/Landmark

The National Park Service maintains a National Registry of Historic Places database. This database contains the Nation's official list of cultural resources worthy of preservation. Properties listed include districts, sites, buildings, structures, and objects that are significant in American history, architectures, archeology, engineering, and culture.

Although the database indicates that there are no Historic/Landmark sites within the 0.5-mile (0.8-km) search distance from the site, Ford Island was declared a Historic Landmark in 1964 and was entered into the National Register of Historic Places in 1976. Ford Island is significant because of the Japanese attack on Pearl Harbor.

Federal Land Use

The Federal Lands of the United States is a database of lands owned or administered by the Federal Government, including the Bureau of Land Management, the Bureau of Reclamation, the US Department of Agriculture Forest Service, the Department of Defense, the US Fish and Wildlife Service, the Tennessee Valley Authority, and other agencies. Only areas of 640 acres or more are included in this listing. The database provides descriptive information that includes name and type of the Federal land and the administering agency. Indian Lands of the United States is a database of areas administered by the Bureau of Indian Affairs and exceeding 640 acres in size. This database includes Federally-administered lands within a reservation which may or may not be considered part of the reservation. Endangered Species Protection Program is a database that provides a list of the Endangered Species by county and the species status.

The site is considered a Federal Land Use site. There is another Federal Land Use site within the 0.5-mile (0.8-km) search distance from the site. Because designation as a Federal Land Use site merely indicates that the Federal Government owns and/or operates the land, these sites do not constitute a REC to the site.

Federal Wells

The US Geological Survey maintains a database of more than 850,000 records of wells, springs, test holes, tunnels, drains, and excavations in the United States. This database is an inventory of the United States Groundwater Sites.

Currently, there are two Federal Wells site within the 0.5-mile (0.8-mile) search distance from the site. These are historic potable water production wells that do not impact the site. Thus, these wells do not constitute a REC to the site.

Releases (Air/Water)

The Environmental Protection Agency has a list of Air and Surface Water Releases. This list is a subset of the ERNS-National Response System database detailing sites that have impacted only the air or surface water.

Currently, there are no Releases (Air/Water) within the 0.12-mile (0.2-km) search distance from the site.

Hazardous Materials Incident Response System

The Hazardous Materials Incident Response System (HMIRS) is a database of information regarding materials, packaging, and a description of events for tracked incidents.

Currently, there were no HMIRS within the 0.12-mile (0.2-km) search distance from the site.

National Compliance Data Base

The National Compliance Data Base System (NCDB) is a database of regional compliance and enforcement activity and manages the Pesticides and Toxic Substances compliance and Enforcement program at a national level. The system tracks all compliance monitoring and enforcement activities from the time an inspector conducts an inspection until the time the inspector closes the case or settles the enforcement action. NCDB is the national repository of the 10 regional and Headquarters FIFRA/TSCA Tracking System (FTTS). Data collected in the regional FTTS is transferred to NCDB to support the need for monitoring national performance of regional programs.

Currently, there are no NCDB sites within the 0.25-mile (0.4-km) search distance from the site.

PADS

The USEPA maintains a database of PCB handlers. This database includes PCB generators, transporters, storers and/or disposers that are required to register with the USEPA. This database indicates the type of handler and registration number. Also included is the PCB Transformer Registration Database.

Currently, there are no PADS sites within the 0.25-mile (0.4-km) search distance from the site.

Federal Other

Section Seven Tracking System (SSTS) within the USEPA maintains a database of registration and production data for facilities which manufacture pesticides. Aerometric Information Retrieval System (AIRS) is another database of detailed information pertaining to sites which submit air emissions reports. Developed under the Clean Air Act, this database also maintains data on compliance status and enforcement actions.

Currently, there is no Federal Other sites within the 0.25-mile (0.4-km) search distance from the site.

Towers

Towers is a database that encompasses three sources of information from the Federal Aviation Administration (FAA) and the Federal Communication Commission (FCC). FAA data includes the Digital Obstacle File which contains obstruction data for man made objects that affect domestic aeronautical charting products. FCC data includes the Wireless Telecommunication Bureau's Universal Licensing System which contains the Antenna Structure Database and the Cellular Tower Database. FCC data also includes the Mass Media Bureau's Consolidated database System which includes engineering data for AM, FM, and Television broadcasting stations.

Currently, there are no Towers within the 0.25-mile (0.4-km) search distance from the site.

Radon

Based on available documents, a radon gas assessment has not been conducted on the site. Radon information for the Hawaiian Islands indicates that the USEPA has categorized Hawaii as Zone 3 for radon. A Zone 3 classification is for areas with indoor average radon levels of less than to 2 picoCuries/liter (pCi/L). This is below the USEPA radon recommended action level (RAL) of 4 pCi/L.

4.2 ENVIRONMENTAL AGENCY RECORDS

Findings from the environmental database review did not reveal any RECs resulting in the need for further review of agency records.

4.3 NAVY RECORDS AND DOCUMENTS

4.3.1 Environmental Baseline Survey and Finding of Suitability

The Environmental Baseline Survey reports that the application of waste oil as a dust suppressant along the road ways within the vicinity of the site may have occurred, potentially resulting in a pre-existing condition. This was reported to have been a common practice at other military installations. Since no documentation can be found to support that this practice occurred at the site, it is the opinion of the EP that this does not constitute a REC for the site.

The EBS reports that during a site reconnaissance conducted on 31 May 2006 (12 weeks after the site reconnaissance conducted for this inquiry) power poles potentially

containing creosote were observed on the western edge of the site. No staining of the concrete was observed or reported; however, the EBS notes the potential exists for creosote to seep from the poles and through the semi-porous concrete to the underlying soil. There was no evidence that the power poles contained creosote and there was no staining observed on the concrete. These power poles are not a REC.

The EBS reports that pesticides and/or herbicides residues (e.g., DDT, chlordane, dieldrin and heptachlor) may be present in the soils at the site as a result of past pest management. This is a REC.

The draft Finding of Suitability (FOS) reports that offsite Underground Storage Tanks (USTs) have impacted groundwater in the vicinity of the site. The majority of the USTs have been removed; however, petroleum hydrocarbon groundwater impacts have been detected in the vicinity of the location of the USTs. Polyaromatic hydrocarbons have also been detected in soil at the location of tank excavations. Given that migration of these petroleum hydrocarbons in groundwater and onto the site is possible, this is a REC.

The EBS and FOS report the potential for asbestos containing material (ACM) on Ford Island. However, during the site reconnaissance, no ACM or potential ACM was observed on the site. Therefore, ACM is not a REC.

The FOS reports that 55 transformer sites on Ford Island have been investigated for PCB discharges. Twenty-four of these transformers have undergone remedial action. All have been remediated except Transformer TF-08 which has a detection of PCBs (2.2 ppm) above regulatory standards on a sample obtained from a sidewall location within the excavation. Given that TF-08 is located approximately 2,000 feet south of the site and that PCBs in soil do not migrate, this is not a REC.

The sediments of Pearl Harbor are in the vicinity of the site. Metals, PAHs, SVOCs, chlorinated pesticides, PCBs, dioxins, chlorinated herbicides, triazine pesticides, carbamate/urea pesticides, and ordnance compounds are considered chemicals of potential concern for the sediments of Pearl Harbor. Given the site's immediate proximity Pearl Harbor, these impacted sediments are a REC.

4.3.2 Long-Term Monitoring Plan, Ford Island Landfill

The Ford Island Landfill is located at the southwestern end of Ford Island. It is approximately 4.4 acres in size and is covered with grass and shrubs. The landfill was employed from the 1930s until the late 1960s for the disposal of burned waste related to construction and maintenance activities. After burn operations were discontinued, bulk debris was disposed at the landfill and covered with soil. The landfill ceased operating in 1982. There were no disposal records maintained during the operating life of the landfill.

During the last fifteen years, several investigations have been conducted at the landfill. A total of ten groundwater monitoring wells and five exploratory trenches were advanced as part of these investigations. The investigations identified impacts from metals, semivolatile organic compounds (SVOCs) and a single polychlorinated biphenyl (PCB) compound, both in groundwater and soil. Debris recovered during the investigation included metal fragments and concrete rubble. The investigations also indicated that groundwater beneath the landfill is influenced by tidal variations in Pearl Harbor. Ash discovered below the water table, near the landfill shoreline indicated that incinerated wastes were dumped into Pearl Harbor.

From data developed during the course of the investigations, a risk evaluation was conducted. It was determined that the impacts detected in the landfill posed acceptable risks to human health and the installation of a permeable cap was recommended. The cap was installed in late 1996 and was designed to prevent impacted surface soils from eroding and entering Pearl Harbor as well as to reduce infiltration of precipitation into the landfill, thereby protecting Pearl Harbor by reducing leaching to groundwater. The cap includes a vegetative cover with an irrigation system to maintain the integrity of the cap. Infiltration is managed by a concrete drainage trench to direct surface runoff away from the landfill.

After installation of the permeable cap, a groundwater monitoring program was implemented. The groundwater monitoring well network consists of 13 monitoring wells distributed across the landfill site. Current groundwater monitoring is reporting detections of copper, mercury and nickel, above State of Hawaii screening criteria based on surface water quality standards. To date, 15 monitoring events have been conducted.

A component of the current Long-Term Monitoring Plan for the landfill is semi-annual inspections of the topsoil and vegetative cover, irrigation system, drainage trench, shoreline and groundwater monitoring network.

In its current configuration (capped and under long-term monitoring and maintenance), the Ford Island Landfill does not pose a risk to future residents. However, it is an REC.

4.3.3 Remediation Verification Report, Non-Time Critical Removal Action, Ford Island Inactive AVGAS Pipeline

During the 1930s and 1940s, the central portion of the island was cleared and paved for the installation of a 4,000-foot airplane runway. During this period, an underground storage tank farm was installed in the east-central portion of the island, and an underground aviation gasoline (AVGAS) pipeline system was installed to distribute fuel from the tank farm to users throughout the island. Ford Island stopped serving as a military air station upon the advent of jet aircraft. In the early 1960s, the airfield was

leased to the State of Hawaii Department of Transportation for limited use by civilian aircraft. The airfield ceased operating in 1999. The pipeline runs in the immediate vicinity of the South Ford Island housing area.

In 1999 and 2000, a Remedial Investigation (RI) was conducted along the entire pipeline. Although there were no documented releases of AVGAS during the operating history of the pipeline, the goal of the RI was to characterize the nature and extent of contamination at potential release locations. The RI found no unacceptable risks associated with soil or groundwater impacts. However, residual AVGAS and sludges remained in the inactive pipeline. Subsequent to the RI, gasoline impacts in soil and groundwater were detected in a monitoring well installed on Ford Island. As a result, a subsequent investigation was conducted in 2002 and 2003 to determine if a release may have occurred along the AVGAS pipeline system.

The investigation included borings along the pipeline and in the immediate vicinity of the monitoring well. All soil and groundwater samples collected reported concentrations of target analytes below project action levels. Depending upon the location of the borings, target analytes included total petroleum hydrocarbons, benzene, toluene, ethylbenzene and total xylenes (BTEX), and lead.

A removal action was conducted to reduce to acceptable levels any potential risk resulting from residual AVGAS in the pipeline and to eliminate hazards associated with ancillary equipment serving the pipeline, most notably fueling pits and valve boxes. The removal action was conducted from 2002 through 2004 and included the following:

- In-situ closure and/or the removal of approximately 42,350 lineal feet of pipeline. As part of this removal action, approximately 1,200 gallons of residual AVGAS and 24,000 gallons of impacted wastewater were removed and recycled.
- Due to corrosion, removal of approximately 1,700 lineal feet of aboveground piping associated with Piers F-1.5, F-09 and F-10. As part of this removal action, approximately 2,500 gallons of impacted wastewater were removed and recycled.
- Demolition of Fueling Pit 2 and removal and disposal of impacted soil.

The AVGAS Pipeline does not post a risk to future residents on Ford Island because the remediation has been completed and the presence of hazardous substances is not likely; thus it is not a REC to the site.

4.3.4 Remedial Investigation – Ford Island

A remedial investigation (RI) was conducted on Ford Island and completed in February 2003, for the Naval Facilities Engineering Command Pacific Division. The RI tested soil

in various transformer locations at Ford Island, including TA-01 and S252D at the site. Soil tested at TA-01 had indications of PCB-impacted soil above the PCB screening criteria of 220 ug/kg (EPA Region 9 residential preliminary remediation goal) and 1,000 ug/kg (high-occupancy level under the Toxic Substances Control Act). The RI recommended a removal action for the PCB-impacted soil at TA-01 and no further action at S252D. The removal action was conducted in late 2003 or 2004 and impacted soils in the vicinity of TA-01 were excavated to a PCB-concentration of 1 ppm or less.

The Camel Refurbishing Area (CRA) is located along the northwestern shoreline of Ford Island. The former seaplane parking and fueling area at the CRA was used to refurbish portable marine piers known as camels by sandblasting. The sandblasting grit accumulated along the shoreline. Although the sandblasting has been discontinued, a Remedial Investigation (RI) was conducted at the CRA. Data developed during the course of the RI indicated unacceptable risks associated with surface soil along portions of the unpaved shoreline of the CRA and at two other areas. Elevated concentrations of metals were detected in soil samples from the surface to 2-feet bgs.

A soil removal action (excavation) was conducted at the CRA during the 2nd half of 2003. Approximately 3000 tons of soil was removed at the CRA shoreline. An additional 31 tons of soil was removed from the two areas away from the shoreline. At the conclusion of the removal action, approximately 160 confirmation samples were collected to verify that cleanup goals were met. Of the 160 confirmation samples, only four had detections above project cleanup levels. A statistical analysis of the data indicates that potential adverse health impacts from the remaining detections above residential standards are not an issue of concern.

Therefore, the CRA does not post a risk to future residents on Ford Island and is not an REC to the site.

4.3.5 Integrated Natural Resources Management Plan

The Pearl Harbor Integrated Natural Resources Management Plan (DoN 2001) served as a reference for endangered species data in the Pearl Harbor area. The shoreline, estuarine and freshwater areas of Pearl Harbor are known habitat for four endemic and endangered waterbirds: the (Hawaiian) Black-necked Stilt (*Himantopus mexicanus*) or ae'o; Common Moorhen (*Gallinula chloropus sandvicensis*) or 'alae 'ula; Hawaiian Coot (*Fulica alai*) or 'alae ke 'oke 'o and Hawaiian Duck (*Anas wyvilliana*) or Koloa. Of these four species, stilt are the most common in Pearl Harbor and occur in far greater numbers than all other endangered waterbirds combined. Populations of all the endangered waterbirds have declined due to the loss of wetland habitats and the introduction of predators, such as dogs, cats and mongoose.

Two additional species of birds, listed as threatened or endangered species by the State of Hawaii but not the federal government are occasionally found in the Pearl Harbor vicinity. They are the state-threatened white term (Gygis alba rothschildi) or manu o ku, a diminutive arboreal-nesting seabird, and the state-endangered Hawaiian or Short-eared Owl (Asio flammeus sandwichensis) or pueo.

Two turtle and two marine mammal species that occur in Hawaiian waters have been declared federally threatened or endangered. The threatened green sea turtle (Chelonia mydas) or honu commonly occurs in the nearshore areas of Hawaii. The green sea turtle has rarely been observed in the harbor and no nesting in the harbor has been reported. The endangered hawksbill turtle (Eretmochelys imbricate) or honu 'ea is found infrequently in Hawaiian waters, and there are no recorded sightings of the hawksbill turtle within Pearl Harbor.

The Hawaiian monk seal (Monachus schauinslandi) or 'ilio holo i a uana has been observed sporadically in the main Hawaiian Islands. Though they have never been reported in the harbor, the Hawaiian monk seal has been recorded at Iroquois Point, the Pearl Harbor entrance channel.

Populations of the endangered humpback whale (Megaptera novaeangliae) are known to winter in the Hawaiian Islands from December to April.

4.4 PHYSICAL SETTINGS SOURCE(S)

4.4.1 USGS Topographic Map

Exhibit 3 presents the location of the site on a USGS topographic map.

4.4.2 Geological, Hydrogeological, and Meteorological Review

Geology

Ford Island lies within the Pearl Harbor basin and is flanked on the east by the Aliamanu, Salt Lake, and Makalapa vents of the Honolulu series Salt Lake volcanics. Pearl Harbor is located where the Koolau shield abuts the Waianae shield. The Pearl Harbor basin is a drowned river system with its several tributaries forming today's Pearl Harbor lochs. Pearl Harbor is the result of several geologic processes, including sea level fluctuations (transgressive and regressive shorelines), stream erosion, alluvial deposits, and volcanism.

Surface soil types on Ford Island are generally classified as silty sands or sandy silts with varying amounts of gravel, owing to the high degree of development and the associated usage of fill material throughout the island. Ford Island itself is classified as coral outcrop, which consists of coral or cemented calcareous sand. However, many of

the characteristics of the surface soil samples indicate that silt, sand, and graded coral gravel make up much of the fill material.

Subsurface geology underlying Ford Island consists of fill materials, weathered volcanics, coralline debris, and lagoonal deposits. The fill material is thickest around areas of construction or where the shoreline has been reclaimed. The weathered volcanics consist of weathered tuff and primarily include brown to dark gray-brown stiff clays and silts. The coralline debris deposits include gravelly clays; recemented limestone; mixtures of gravel with silt and clay; coral, sand, and clay lenses, and reef-related components. The consolidated lagoonal sediments primarily consist of soft silts and lean clays.

Hydrogeology

Ford Island is located in the Honolulu-Pearl Harbor basal groundwater aquifer area. The shallow groundwater beneath Ford Island is considered nonpotable and not hydraulically connected to the basal aquifer of O'ahu. The source of shallow Ford Island groundwater is believed to originate from infiltration of precipitation combined with intrusion of seawater. As a result, the shallow groundwater is generally brackish.

Tidal influences affect groundwater elevations within the surficial caprock aquifer underlying Ford Island. During falling tide, groundwater elevations in the center of the island are higher than during high tide. This phenomenon is reflective of the lag time that occurs between the occurrence of high tide in Pearl Harbor and the appearance of the effects of high tide that occur in the center of the island. During rising tide, groundwater elevations in the center of the island decrease slightly from the elevations observed during low tide, reflecting the lag time that occurs between tidal changes and groundwater elevations in the center of the island. Apparent stagnation points can be observed across the island during falling and rising tides. Little to no hydraulic gradient characterizes the stagnation points and surrounding areas. Groundwater flow during the transition between high and low tide is non-uniform, reflecting the heterogeneous nature of the surficial caprock aquifer.

Meteorology

The prevailing winds at Ford Island are the northeast tradewinds that blow approximately nine months out of the year. During the rest of the year, mild offshore and south/southeast winds prevail. Winds to 40 miles per hour occasionally occur from the north or northwest.

The median rainfall for the region lies between 20 and 30 inches. Occasional heavy rains during southerly winds from November to April may cause heavy flooding.

Summer mid-afternoon temperatures range between 87° to 89°F, while nighttime temperatures range between 72° to 76°F. Winter and early spring daytime highs are typically between 76° to 78°F, and nighttime lows may reach the high 50s or low 60s.

4.5 HISTORICAL USE INFORMATION

4.5.1 Aerial Photographs

Copies of aerial photographs of the site and surrounding areas were obtained for the years 1952, 1967, 1973, 1982 and 1994 from TIS. These photographs are presented in Appendix B. The following historical information was identified on the aerial photographs:

1952: The photograph shows the site as being a large area covered in concrete. Wasp Boulevard is visible and divides the area into what is now known as the CRA on the left and a parking/fueling area for seaplanes and aircraft on the right.

1967: No change.

1973: The sewer lift station is visible on this photograph.

1982: No change.

1994: Some structures or activities are visible at the CRA. The fenced area on the northeast part of the site is visible.

4.5.2 Historic Topographic Maps

Copies of historic topographic maps of the site and surrounding areas were obtained for the years 1959, 1968, 1983 and 1999 from TIS. These maps are presented in Appendix C. The site development as recorded on the historic topographic maps is closely aligned with the development presented in the historical aerial photographs.

4.5.3 Fire Insurance Maps

Sanborn® fire insurance maps were not available for the site.

4.5.4 Recorded Land Title Records

The site is currently owned by the Federal government and managed by the Department of Defense. Declaration of taking by the United States government for military use was made from May 5, 1902 through May 26, 1939.

4.5.5 Building Department Records

The site is currently owned by the Federal government and managed by the Department of Defense. Parsons coordinated with the Navy during the site reconnaissance and records search. Information regarding date of construction and subsequent modifications to structures was reviewed and incorporated into this assessment from information provided by the Navy, available on the Internet and other documents provided by the Design contractor.

4.5.6 Zoning/Land Use Records

The zoning designation for the site is F-1, Military and Federal.

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5.0 INFORMATION FROM SITE RECONNAISSANCE AND INTERVIEWS

Parsons conducted reconnaissance of the site on March 1, 2006. Except for the presence of the sewer lift station, the site is vacant and not in use.

5.1 HAZARDOUS SUBSTANCES IN CONNECTION WITH IDENTIFIED USES

Based on available information, hazardous substances were used at the site.

5.2 HAZARDOUS SUBSTANCE CONTAINERS AND UNIDENTIFIED SUBSTANCE CONTAINERS

No containers were identified during the site reconnaissance.

5.3 STORAGE TANKS

During the site reconnaissance, there were no storage tanks observed at the site.

5.4 INDICATIONS OF PCBS

During the site reconnaissance, land-based power transformers were not observed at the site. Fluorescent lighting which have the potential to contain PCBs may be present at Building 445.

5.5 INDICATIONS OF ASBESTOS

During the site reconnaissance, there were no indications of asbestos observed at the site.

5.6 INDICATIONS OF SOLID WASTE DISPOSAL

Based on available information, the site is not designated as a solid waste disposal site, although the former Ford Island Landfill is located just to the south of the site. During the site reconnaissance, minimal domestic trash (litter) was observed.

5.7 PHYSICAL SETTING ANALYSIS, IF MIGRATING HAZARDOUS SUBSTANCES ARE AN ISSUE

Section 4.1 summarizes potential concerns regarding nearby sites that may have an impact on the site and Section 4.4 summarizes the physical setting. As described in Section 4.3, migrating hazardous substances from offsite are a concern at the site.

5.8 WETLANDS AND FLOODPLAINS

During the site reconnaissance, no wetlands or floodplains were observed on the site.

5.9 LEAD

During the site reconnaissance, only exteriors of Building 445 were observed. Based on the review of historical aerial photographs, Building 445 may have been constructed prior to 1977, the year when lead in paint was banned. LBP may be present on painted exterior and interior building components of Building 445.

5.10 ENDANGERED SPECIES AND SENSITIVE ENVIRONMENTS

5.10.1 Endangered Species

No endangered species were observed during the site reconnaissance.

5.10.2 Sensitive Environments

No sensitive environments were observed during the site reconnaissance.

5.11 INTERVIEWS

5.11.1 Military Organizations

(b) (6) and (b) (6), environmental scientists representing NAVFAC PAC, were interviewed on August 10, 2006 (Parsons 2006).

5.11.2 Hawaii Department of Health

The Hawaii Department of Health (HDOH) maintains a database of Activity and Use Limitations (AULs). The database was queried to determine if the subject property has any recorded AULs. No AULs were recorded. However, the database is still under development and according to HDOH representatives (b) (6) and (b) (6), August 8, 2006), this may indicate that the site is currently under evaluation for applicable restrictions. The HDOH representative also indicated that the primary source of information for the database for military family housing sites is the Finding of Suitability (FOS) report (Parsons, 2006). The FOS was reviewed and it was determined that there are no AULs for the subject site (DON, 2006).

5.12 OTHER CONDITIONS OF CONCERN

There were no other conditions of concern.

6.0 FINDINGS

6.1 FINDINGS SUMMARY

In conclusion, based on the definition of a REC in the ASTM Standard Practice E 1527-05, the following RECs have been identified for the site:

- The Ford Island Landfill is impacted with metals, organic compounds and PCBs. It is capped and is currently being managed under a long-term monitoring and management plan. Although it qualifies as an REC, it does not pose a risk to future residents on Ford Island.
- Lead-based paint (LBP) may be present on painted exterior and interior building components of Building 445. It is recommended that the presence of LBP be disclosed to prospective tenants. Also, it is recommended that the LBP Management Plan be followed during demolition activities. It is recommended that LBP waste be tested for TCLP prior to disposal.
- Fluorescent lighting which may use PCB-containing ballasts may be present at Building 445. It is recommended during demolition that potential PCB-containing ballasts are properly managed.
- The draft EBS reports that pesticides and/or herbicides residues (e.g., DDT, chlordane, dieldrin and heptachlor) may be present in the soils at the site as a result of past pest management.
- The draft FOS reports that offsite Underground Storage Tanks (USTs) have impacted groundwater in the vicinity of the site. The majority of the USTs have been removed; however, petroleum hydrocarbon groundwater impacts have been detected in the vicinity of the location of the USTs. Polyaromatic hydrocarbons have also been detected in soil at the location of tank excavations. Given that migration of these hydrocarbons in groundwater, onto the site is possible, impacted groundwater in the vicinity of the site is a REC.
- The sediments of Pearl Harbor are in the vicinity of the site. Metals, PAHs, SVOCs, chlorinated pesticides, PCBs, dioxins, chlorinated herbicides, triazine pesticides, carbamate/urea pesticides, and ordnance compounds are considered chemicals of potential concern for the sediments of Pearl Harbor. Given the site's immediate proximity Pearl Harbor, these impacted sediments are a REC.

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7.0 OPINION

Based on the findings of our assessment, Parsons provides the following opinions on the observed conditions:

The following RECs have been identified for relation to the site:

Landfill Wastes - The Ford Island Landfill is impacted with metals, organic compounds and PCBs. It is capped and is currently being managed under a long-term monitoring and management plan. It is the opinion of the EP, that although the Landfill qualifies as an REC, there is no exposure path to future residents on Ford Island and it is currently being managed under the oversight of the State of Hawaii Department of Health.

LBP – LBP may be present on painted exterior and interior building components of Building 445. It is the opinion of the EP that the presence of LBP be disclosed to prospective tenants. Also, it is recommended that the LBP Management Plan be followed during demolition activities. It is recommended that LBP waste be tested for TCLP prior to disposal.

PCB-containing ballasts – It is the opinion of the EP that PCB-containing ballasts at Building 445 may contain PCB-containing ballasts. Although they pose no risk to residents, potential PCB-containing ballasts should be properly managed.

Pesticides – It is the opinion of the EP that past application of pesticides, including DDT, dieldrin, and heptachlor, as reported in the EBS, is a REC requiring further investigation.

Groundwater – It is the opinion of the EP that off-site discharges of petroleum products, from leaking USTs, have the potential to migrate onto the site via groundwater. On-site investigations are recommended.

Sediments - The sediments of Pearl Harbor are in the vicinity of the site. Metals, PAHs, SVOCs, chlorinated pesticides, PCBs, dioxins, chlorinated herbicides, triazine pesticides, carbamate/urea pesticides, and ordnance compounds are considered chemicals of potential concern for the sediments of Pearl Harbor. Given the site's immediate proximity Pearl Harbor, it is the opinion of the EP that these impacted sediments are a REC.

The EBS reports that the application of waste oil as a dust suppressant along the road ways within the vicinity of the site may have occurred, potentially resulting in a pre-existing condition. This was reported to have been a common practice at other military installations. Since no documentation can be found to support that this practice occurred at the site, it is the opinion of the EP that this does not constitute a REC for the site.

***PHASE I ENVIRONMENTAL SITE ASSESSMENT
SOUTH FORD ISLAND PROPOSED FAMILY HOUSING AREA
PEARL HARBOR, HAWAII***

The EBS and FOS report the potential for asbestos containing material (ACM) on Ford Island. However, given that during the site reconnaissance, no ACM or potential ACM was observed on the site, it is the opinion that ACM is not a REC.

It is the opinion of the EP that the AVGAS Pipeline has been remediated (Section 4.3) and is not a REC to the site.

It is the opinion of the EP that the CRA has been remediated (Section 4.3) and is not a REC to the site.

The FOS reports that 55 transformer sites on Ford Island have been investigated for PCB discharges. Twenty-four of these transformers have undergone remedial action. All have been remediated except Transformer TF-08 which has a detection of PCBs (2.2 ppm) above regulatory standards on a sample obtained from a sidewall location within the excavation. It is the opinion of the EP that given that TF-08 is located approximately 2,000 feet south of the site and that PCBs in soil do not migrate, this is not a REC.

8.0 CONCLUSIONS

Parsons has conducted this Phase I Environmental Site Assessment in accordance with the American Society for Testing and Materials Standard Practice E 1527-05, *Standard Practice for Environmental Site Assessments: Phase I Environmental Assessment Process* of the South Ford Island Proposed Family Housing Area located in the Pearl Harbor Area of O'ahu, Hawaii. This assessment has revealed no evidence of recognized environmental conditions in connection with the subject property except for the following:

8.1 GENERAL CONCLUSIONS

Per the findings above, the following RECs were identified for the site: (1) Landfill waste, (2) LBP, (3) PCB-containing ballasts in Building 445, (4) pesticides, including DDT, dieldrin, and heptachlor, (5) petroleum product groundwater impacts migrating on-site from leaking USTs located off-site, and (6) sediments located in Pearl Harbor.

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9.0 DEVIATIONS AND DATA GAPS

9.1 DEVIATIONS

Photographs were not taken during the course of the site reconnaissance.

9.2 DATA GAPS

Data is not presented in the following report sections:

3.4.5 Valuation Reduction for Environmental Issues

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10.0 REFERENCES

10.1 REFERENCES

Remedial Investigation – Ford Island, Pearl Harbor Naval Complex, Oahu, Hawaii. Prepared for Naval Facilities Engineering Command, Pacific Division. Earth Tech, Inc. Honolulu, Hawaii. February 2003.

Draft Environmental Baseline Survey to Support the Public-Private Venture of the Department of the Navy Housing, Pearl Harbor Naval Complex, Camp Stover, NCTAMS PAC Wahiana, O'ahu and PMRF Kauai, Hawaii. Naval Facilities Engineering Command Pacific. May 2006.

Draft Finding of Suitability to Support the Public-Private Venture of the Department of the Navy Housing, Pearl Harbor Naval Complex, Camp Stover, NCTAMS PAC Wahiawa, Oahu and PMRF Kauai, Hawaii for Naval Facilities Engineering Command Pacific Division. May 2006.

Final Environmental Baseline Survey to Support the Public-Private Venture of the Department of the Navy Housing, Pearl Harbor Naval Complex, Camp Stover, NCTAMS PAC Wahiana, O'ahu and PMRF Kauai, Hawaii. Naval Facilities Engineering Command Pacific. August 2006.

Final Finding of Suitability to Support the Public-Private Venture of the Department of the Navy Housing, Pearl Harbor Naval Complex, Camp Stover, NCTAMS PAC Wahiawa, Oahu and PMRF Kauai, Hawaii for Naval Facilities Engineering Command Pacific Division. August 2006.

Long-Term Monitoring Plan, Ford Island Landfill, Pearl Harbor Naval Complex, Oahu, Hawaii, Prepared for Naval Facilities Engineering Command, Hawaii. Earth Tech, Inc. Honolulu, Hawaii. March 2006

Monitoring Report, 14th and 15th Monitoring Events, Ford Island Landfill, Pearl Harbor Naval Complex, Oahu, Hawaii, Prepared for Naval Facilities Engineering Command, Hawaii. Earth Tech, Inc. Honolulu, Hawaii. June 2006

Pearl Harbor Integrated Natural Resources Management Plan, Final; Commander Navy Region Hawaii, Department of the Navy, October 2001.

Remediation Verification Report, Non-Time Critical Removal Action, Ford Island Inactive AVGAS Pipeline, Pearl Harbor Naval Complex, Hawaii. Prepared for Naval Facilities Engineering Command, Pacific. Shaw Environmental, Inc. Honolulu, Hawaii. September 2004

***PHASE I ENVIRONMENTAL SITE ASSESSMENT
SOUTH FORD ISLAND PROPOSED FAMILY HOUSING AREA
PEARL HARBOR, HAWAII***

Personal communication between (b) (6) and (b) (6) of NAVPAC PAC and (b) (6) and (b) (6) of Parsons. August 10, 2006.

Personal communication between (b) (6) and (b) (6) of Hawaii Department of Health and (b) (6) and (b) (6) of Parsons. August 8, 2006.

TIS. Environmental FirstSearch™ Report. March 10, 2006

TIS. Historical Aerial Photograph Report February 21, 2006.

TIS. Historical Topographic Map Report. February 21, 2006.

11.0 SIGNATURE(S) OF ENVIRONMENTAL PROFESSIONAL(S)

Parsons declares that, to the best of our professional knowledge and belief, we meet the definition of Environmental Professional as defined in Section 312.10 of Title 40, Code of Federal Regulations (CFR), Part 312 dated 1 November 2005.

We have the specific qualifications based on education, training and experience to assess a property of the nature, history and setting of the subject property. We have developed and performed the all appropriate inquires in conformance with the standards and practices set forth in 40 CFR 312.

Signature:

Date:

(b) (6)

(b) (6), P.E.

September 2006

(b) (6)

(b) (6), P.E.

September 2006

(b) (6)

(b) (6)

September 2006

(b) (6)

(b) (6)

September 2006

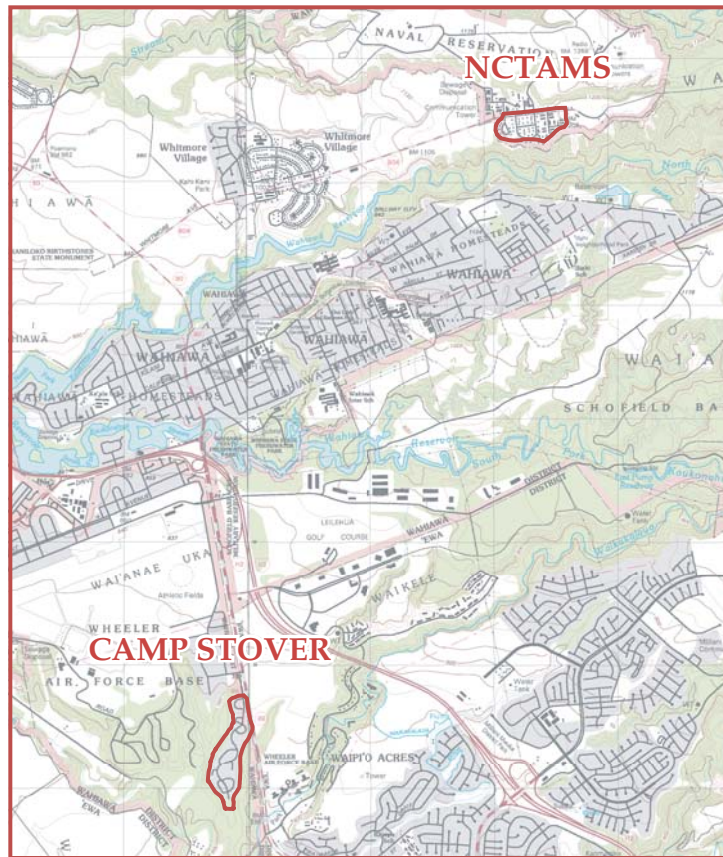
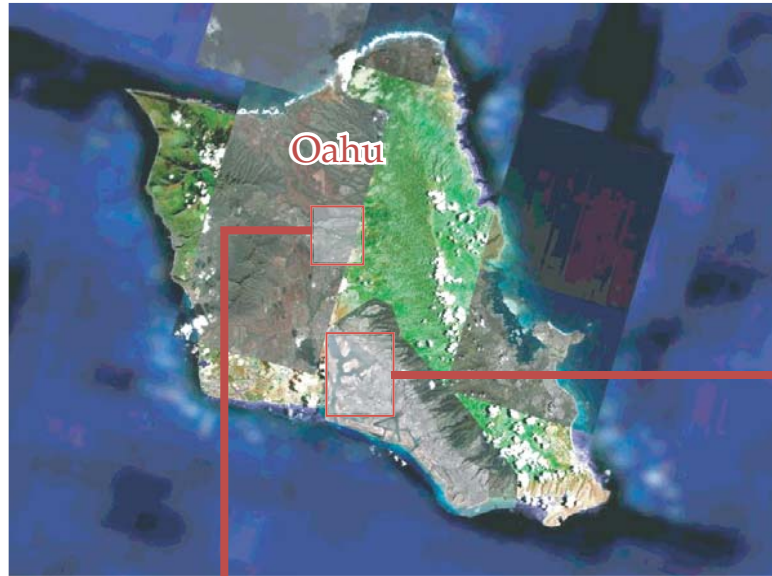
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12.0 QUALIFICATION(S) OF ENVIRONMENTAL PROFESSIONAL(S)

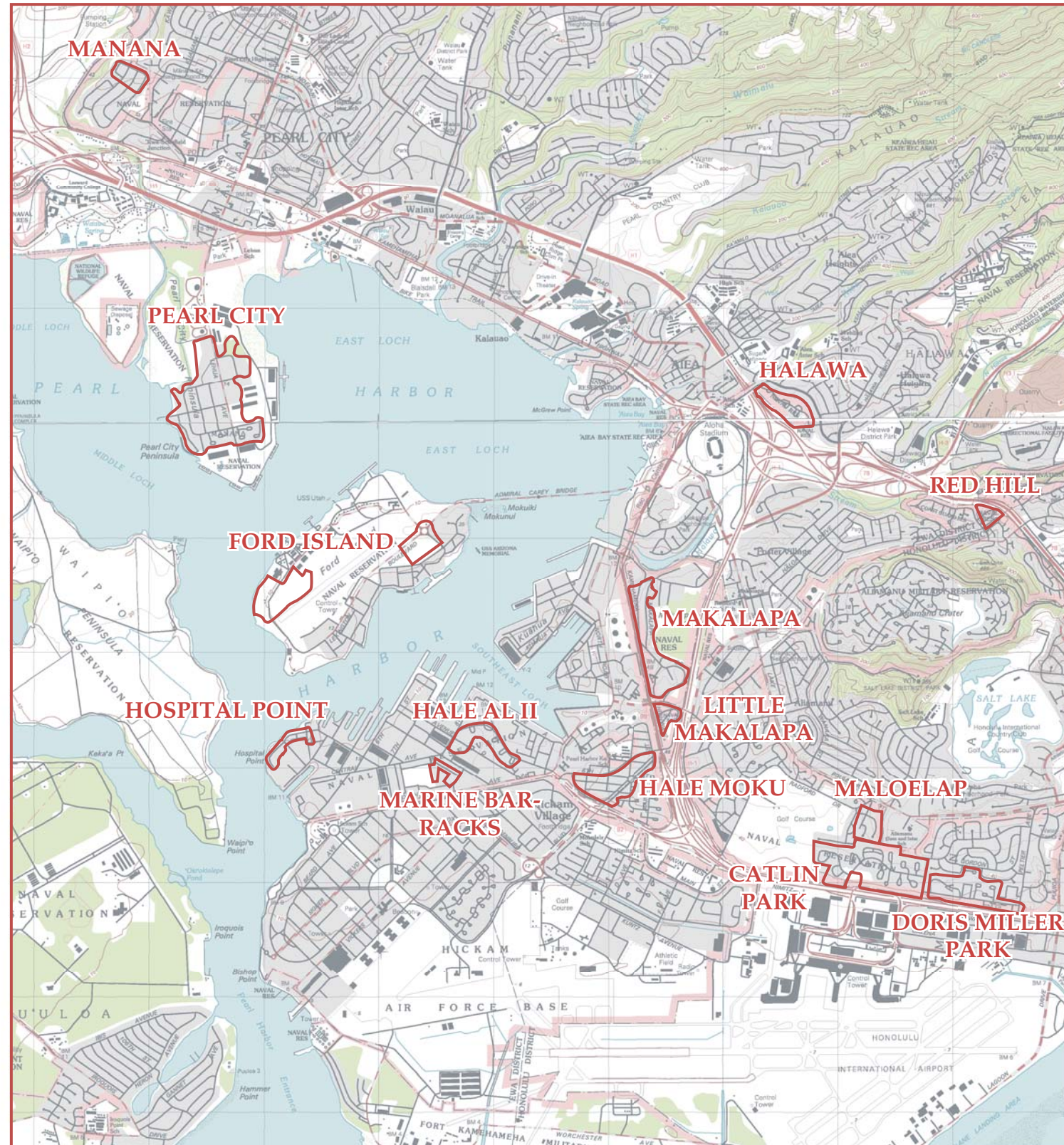
Name	Degree	Years of Experience	Project Responsibilities
(b) (6), P.E.	M.S., Chemical Engineering	28	Site reconnaissance, data review and report preparation
(b) (6), P.E.	M.S., Chemical Engineering	27	Site reconnaissance, data review and report preparation
(b) (6)	B.A., Environmental Studies	5	Site reconnaissance, data review and report preparation
	B.A., Anthropology		
(b) (6)	B.S., Chemical Engineering	3	Site reconnaissance, data review and report preparation

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EXHIBIT 1
SITE MAP



0' 2500' 5000'

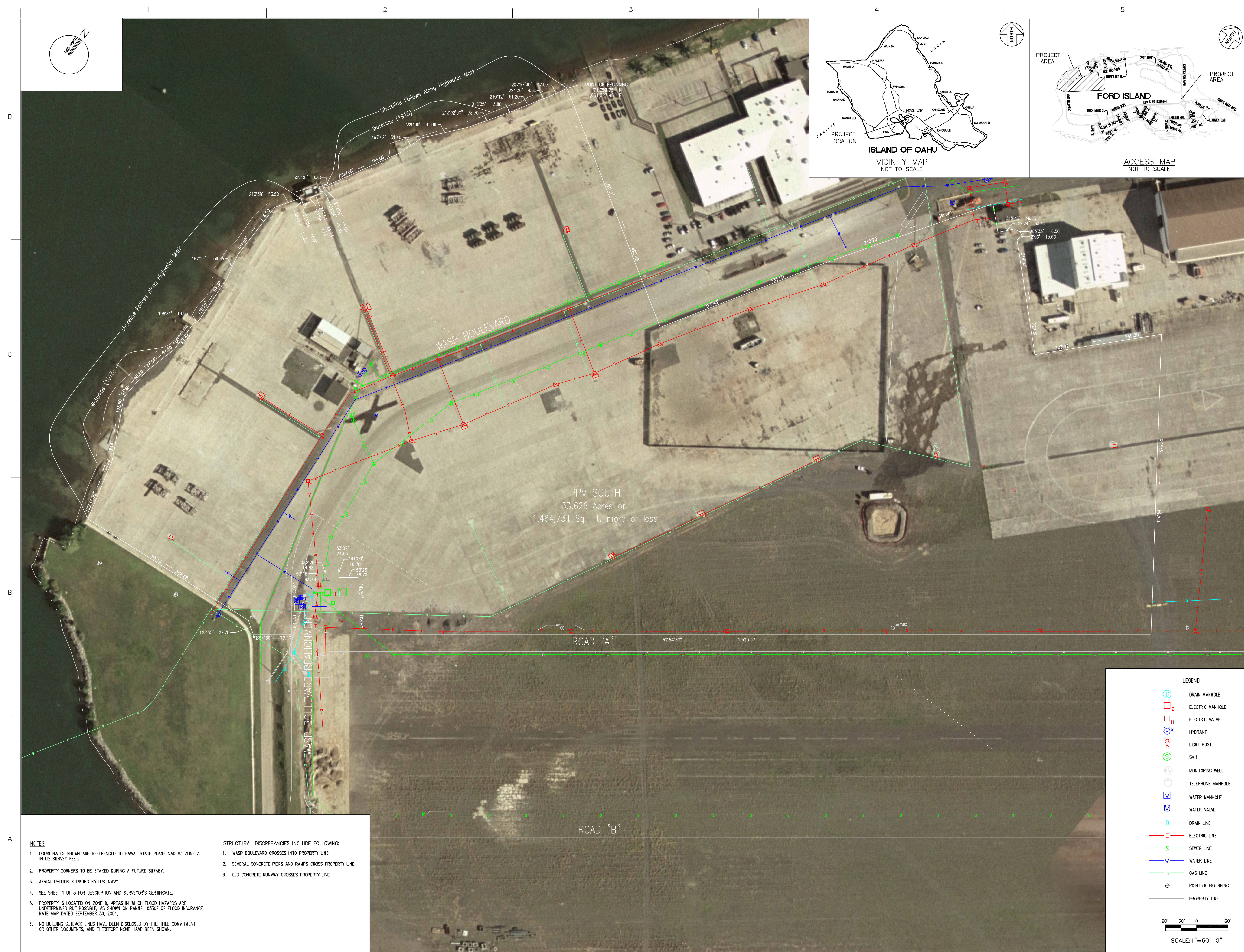


0' 2000' 4000'

NAVY INCREMENT III SITES CONTEXT Overall Location Map

Honolulu, Hawaii

EXHIBIT 2
SITE SURVEY MAP

[illegible]

PARSONS 1132 BISHOP STREET, SUITE 2102 HONOLULU, HAWAII 98813	Designed by: Dates 9-13-06 Drawn by: Rommel Oleida Design file no. Reviewed by: Eric Kenechira Submitted by: Eric Kenechira Project Engineer: David Project Manager: 1 is 60 ft Project No.	Rev. Name: PLS. DO NOT CHANGE Drawing no.
---	---	--

PARSONS
NAVY FAMILY HOUSING PPV
INCREMENT II

MODIFIED ALTA/ACSM LAND TITLE SURVEY
FORD ISLAND
PPV SOUTH

Sheet
reference
number:
—

Sheet 1 of 3

EXHIBIT 3
SITE TOPOGRAPHICAL MAP



Site Boundary

Exhibit 3
Site Topographical Map

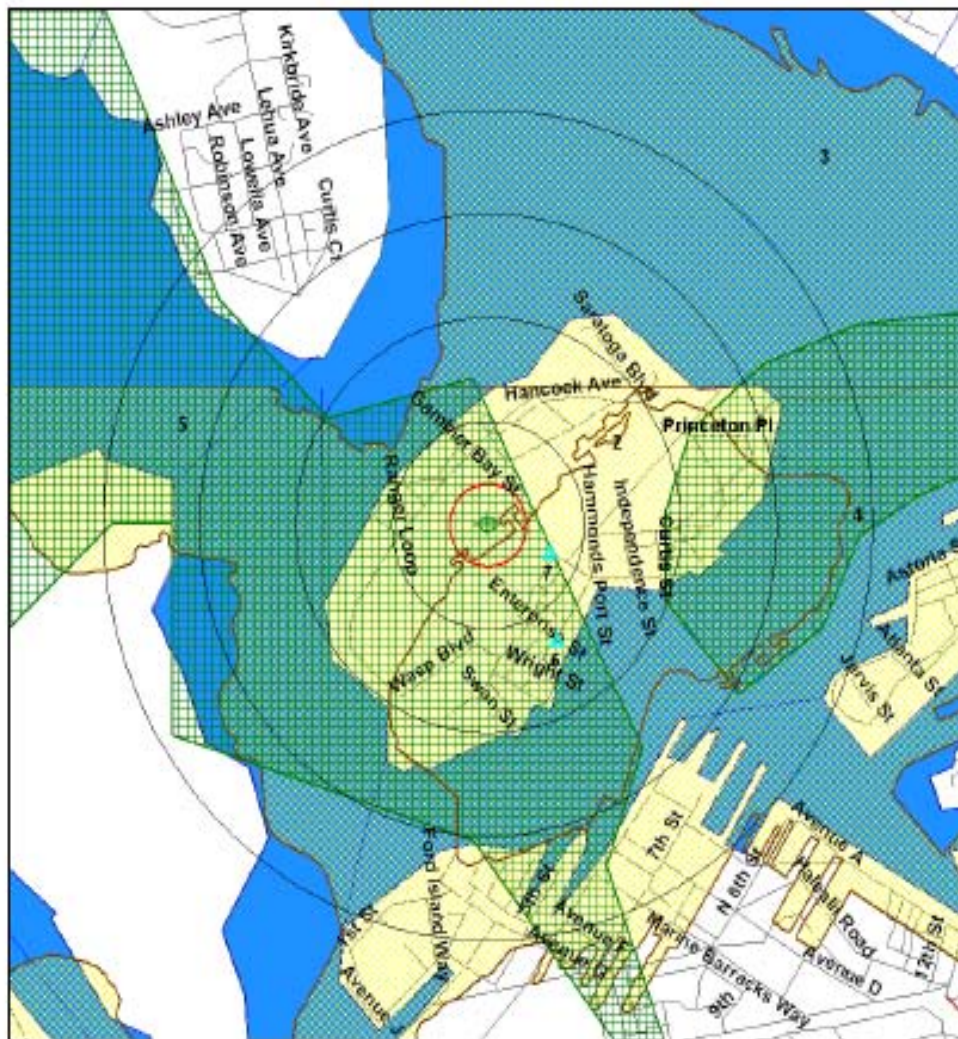
EXHIBIT 4
ENVIRONMENTAL DATABASE SITES WITHIN ASTM SEARCH
DISTANCE



Environmental FirstSearch 1 Mile Radius Single Map:



, PEARL HARBOR HI 96860



Source: U.S. Census TIGER Files

Target Site (Latitude: 21.367 Longitude: -157.965)

Identified Site, Multiple Sites, Receptor

NPL, Brownfield, Solid Waste Landfill (SWL) or Hazardous Waste

Railroads

Black Rings Represent 1/4 Mile Radius; Red Ring Represents 500 ft. Radius



Exhibit 4
Environmental Database Sites within
ASTM Search Distance

Appendix A

ENVIRONMENTAL DATABASE REPORT

TRACK ► INFO SERVICES, LLC

Environmental FirstSearch™ Report

TARGET PROPERTY:

FORD ISLAND NAVAL FAMILY HOUSING

PEARL HARBOR HI 96860

Job Number: 904283

PREPARED FOR:

Parsons

100 West Walnut Street

Pasadena, CA 91124

03-10-06



Tel: (866) 664-9981

Fax: (818) 249-4227

Environmental FirstSearch Search Summary Report

Target Site: FORD ISLAND NAVAL FAMILY HOUSING
PEARL HARBOR HI 96860

FirstSearch Summary

Database	Sel	Updated	Radius	Site	1/8	1/4	1/2	1/2>	ZIP	TOTALS
NPL	Y	01-13-06	1.00	0	0	0	0	0	0	0
CERCLIS	Y	01-13-06	0.75	0	0	0	0	0	0	0
NFRAP	Y	01-13-06	0.75	0	0	0	0	0	0	0
RCRA TSD	Y	02-06-06	0.75	0	0	0	0	0	0	0
RCRA COR	Y	02-06-06	1.00	0	0	0	0	0	0	0
RCRA GEN	Y	02-06-06	0.75	0	0	0	0	0	0	0
RCRA NLR	Y	02-06-06	0.75	0	0	0	0	0	0	0
ERNS	Y	12-31-05	0.75	0	0	0	0	0	1	1
NPDES	Y	10-14-05	0.75	0	0	0	0	0	0	0
FINDS	Y	09-12-05	0.75	0	0	0	0	0	0	0
TRIS	Y	12-01-05	0.75	0	0	0	0	0	0	0
State Sites	Y	NA	1.00	0	0	0	0	0	0	0
Spills-1990	N	NA	0.75	-	-	-	-	-	-	-
Spills-1980	Y	NA	0.75	0	0	0	0	0	0	0
SWL	Y	NA	0.75	0	0	0	0	0	0	0
Permits	Y	NA	0.75	0	0	0	0	0	0	0
Other	Y	NA	0.75	0	0	0	0	0	0	0
REG UST/AST	Y	08-01-05	0.75	0	0	0	0	0	0	0
Leaking UST	Y	08-01-05	0.75	0	0	0	0	0	0	0
State Wells	Y	NA	0.75	0	0	0	0	0	0	0
Aquifers	Y	NA	0.75	0	0	0	0	0	0	0
ACEC	Y	NA	0.75	0	0	0	0	0	0	0
Wetlands	Y	NA	0.75	1	0	0	2	5	0	8
Floodplains	Y	NA	0.75	0	0	0	0	0	0	0
Nuclear Permits	Y	NA	0.75	0	0	0	0	0	0	0
Historic/Landmark	Y	11-17-05	0.75	0	0	0	0	0	0	0
Federal Land Use	Y	01-27-05	0.75	1	0	0	1	0	0	2
Federal Wells	Y	05-19-03	0.75	0	0	1	1	5	0	7
Releases(Air/Water)	Y	12-31-05	0.75	0	0	0	0	0	0	0
HMIRS	Y	03-15-05	0.75	0	0	0	0	0	0	0
NCDB	Y	08-30-04	0.75	0	0	0	0	0	0	0
PADS	Y	12-27-05	0.75	0	0	0	0	0	0	0
Federal Other	Y	05-13-05	0.75	0	0	0	0	0	0	0
Brownfield	Y	10-18-05	0.75	0	0	0	0	0	0	0
Towers	Y	01-15-04	0.75	0	0	0	1	2	0	3
Soils	Y	03-18-97	0.75	0	0	0	0	0	0	0
Receptors	Y	NA	0.75	0	0	0	0	0	0	0
FIMAP	N	07-14-05	0.15	-	-	-	-	-	-	-
- TOTALS -				2	0	1	5	12	1	21

Notice of Disclaimer

Due to the limitations, constraints, inaccuracies and incompleteness of government information and computer mapping data currently available to TRACK Info Services, certain conventions have been utilized in preparing the locations of all federal, state and local agency sites residing in TRACK Info Services's databases. All EPA NPL and state landfill sites are depicted by a rectangle approximating their location and size. The boundaries of the rectangles represent the eastern and western most longitudes; the northern and southern most latitudes. As such, the mapped areas may exceed the actual areas and do not represent the actual boundaries of these properties. All other sites are depicted by a point representing their approximate address location and make no attempt to represent the actual areas of the associated property. Actual boundaries and locations of individual properties can be found in the files residing at the agency responsible for such information.

Waiver of Liability

Although TRACK Info Services uses its best efforts to research the actual location of each site, TRACK Info Services does not and can not warrant the accuracy of these sites with regard to exact location and size. All authorized users of TRACK Info Services's services proceeding are signifying an understanding of TRACK Info Services's searching and mapping conventions, and agree to waive any and all liability claims associated with search and map results showing incomplete and or inaccurate site locations.

***Environmental FirstSearch
Site Information Report***

Request Date: 03-10-06
Requestor Name: (b) (6)
Standard: ASTM

Search Type: COORD
Job Number: 904283

Filtered Report

TARGET ADDRESS: FORD ISLAND NAVAL FAMILY HOUSING
PEARL HARBOR HI 96860

Demographics

Sites: 21	Non-Geocoded: 1	Population: NA
Radon: NA		

Site Location

	<u>Degrees (Decimal)</u>	<u>Degrees (Min/Sec)</u>		<u>UTMs</u>
Longitude:	-157.965	-157:57:54	Easting:	607307.199
Latitude:	21.367	21:22:1	Northing:	2362979.463
			Zone:	4

Comment

Comment:RERUN

Additional Requests/Services

Adjacent ZIP Codes: 0 Mile(s)

Services:

ZIP Code	City Name	ST	Dist/Dir	Sel

	Requested?	Date
Sanborns	No	
Aerial Photographs	No	
Historical Topos	No	
City Directories	No	
Title Search	No	
Municipal Reports	No	
Online Topos	No	

Environmental FirstSearch

Sites Summary Report

TARGET SITE: FORD ISLAND NAVAL FAMILY HOUSING **JOB:** 904283
PEARL HARBOR HI 96860 RERUN

TOTAL: 21 **GEOCODED:** 20 **NON GEOCODED:** 1 **SELECTED:** 0

Page No.	DB Type	Site Name/ID/Status	Address	Dist/Dir	Map ID
16	ERNS	489433/UNKNOWN (NRC)	AVE A AND 6TH STREET NEAR B PEARL HARBOR HI 96860	NON GC	
1	FEDWELLS	3-2257-05 W224 FORD FW-HI-1426/USGS GROUNDWATER INV	HI	0.17 SE	14
2	FEDWELLS	3-2157-03 W223 FORD FW-HI-1411/USGS GROUNDWATER INV	HI	0.33 SE	11
3	FEDWELLS	3-2257-04 W222 FORD FW-HI-1428/USGS GROUNDWATER INV	HI	0.54 SE	13
4	FEDWELLS	3-2257-03 W221 FORD FW-HI-1430/USGS GROUNDWATER INV	HI	0.57 SE	12
5	FEDWELLS	3-2258-09 W218-2 PRC FW-HI-1511/USGS GROUNDWATER INV	HI	0.70 NW	15
6	FEDWELLS	3-2258.02 FW-HI-1422/USGS GROUNDWATER INV	HI	0.70 SW	17
7	FEDWELLS	3-2258.01 FW-HI-1413/USGS GROUNDWATER INV	HI	0.71 SW	16
8	LANDUSE	NAVY DOD PEARL HARBOR NAVAL STATIO 45975	HI	0.00 --	10
8	LANDUSE	NAVY DOD FORD ISLAND NAVAL STATION 45980	HI	0.46 -E	9
9	TOWERS	12-0335/DOF	HONOLULU HI	0.37 SE	19
10	TOWERS	NEXTEL COMMUNICATIONS HAWAII 00-AWP-0766-OE/ASR-DE	FORD ISLAND HI	0.71 SE	18
11	TOWERS	12-0124/DOF	FORD ISLAND HI	0.71 SE	18
12	WETLANDS	NATIONAL WETLANDS INVENTORY NWI-HI-1666/E1OWL	HI	0.00 --	1
12	WETLANDS	NATIONAL WETLANDS INVENTORY NWI-HI-2142/E1OWL	HI	0.33 N-	8
13	WETLANDS	NATIONAL WETLANDS INVENTORY NWI-HI-1718/E1OWL	HI	0.34 NE	3
13	WETLANDS	NATIONAL WETLANDS INVENTORY NWI-HI-1669/E1OWL	HI	0.63 NW	2
14	WETLANDS	NATIONAL WETLANDS INVENTORY NWI-HI-2086/E1OWL	HI	0.63 NW	7
14	WETLANDS	NATIONAL WETLANDS INVENTORY NWI-HI-1729/E2FO3P	HI	0.74 SW	4
15	WETLANDS	NATIONAL WETLANDS INVENTORY NWI-HI-1756/PEM1CD	HI	0.75 SW	6
15	WETLANDS	NATIONAL WETLANDS INVENTORY NWI-HI-1750/E1OWL	HI	0.75 SW	5

***Environmental FirstSearch
Site Detail Report***

TARGET SITE: FORD ISLAND NAVAL FAMILY HOUSING **JOB:** 904283
PEARL HARBOR HI 96860 RERUN

FEDERAL WELLS SITE

SEARCH ID: 14 **DIST/DIR:** 0.17 SE **MAP ID:** 14

NAME: 3-2257-05 W224 FORD	REV: 5/19/03
ADDRESS: HI	ID1: FW-HI-1426
HONOLULU COUNTY HI	ID2: 212209157575501
CONTACT:	STATUS: USGS GROUNDWATER INV
	PHONE:

SITE INFORMATION

AGENCY:	USGS
SITE ID:	212209157575501
SITE NAME:	3-2257-05 W224 FORD
SITE TYPE :	GROUND-WATER OTHER THAN SPRING
COUNTY :	HONOLULU COUNTY HI
COUNTRY :	US
LAND NET LOCATION DESC:	
LOCATION MAP:	10 PUULOA
LOCATION MAP SCALE:	24000
GAGE/LAND SURFACE ALTITUDE:	12.00
METHOD ALTITUDE DETERMINED:	M
ALTITUDE ACCURACY:	2
ALTITUDE DATUM:	NGVD29
HYDROLOGIC UNIT :	OAHU
DRAINAGE BASIN :	
TOPOGRAPHIC SETTING :	
AGENCY USE OF SITE :	INACTIVE OR DISCONTINUED DATA-COLLECTION SITE
DATE OF FIRST CONSTRUCTION:	
DATE SITE ESTABLISHED:	
DRAINAGE AREA:	
CONTRIBUTING DRAINAGE AREA:	
MEAN GREENWICH TIME OFFSET:	HST
LOCAL STANDARD TIME FLAG:	N
DATA RELIABILITY CODE :	U
OTHER GW FILES:	YYNNNNNN
TYPE OF GROUNDWATER SITE:	W
PRIMARY AQUIFER :	
AQUIFER TYPE :	
WELL_DEPTH VA:	391
HOLE DEPTH:	
DEPTH DATA SOURCE:	
PROJECT NUMBER:	

***Environmental FirstSearch
Site Detail Report***

TARGET SITE: FORD ISLAND NAVAL FAMILY HOUSING **JOB:** 904283
PEARL HARBOR HI 96860 RERUN

FEDERAL WELLS SITE

SEARCH ID: 11 **DIST/DIR:** 0.33 SE **MAP ID:** 11

NAME: 3-2157-03 W223 FORD	REV: 5/19/03
ADDRESS: HI	ID1: FW-HI-1411
HONOLULU COUNTY HI	ID2: 212158157575401
CONTACT:	STATUS: USGS GROUNDWATER INV
	PHONE:

SITE INFORMATION

AGENCY:	USGS
SITE ID:	212158157575401
SITE NAME:	3-2157-03 W223 FORD
SITE TYPE :	GROUND-WATER OTHER THAN SPRING
COUNTY :	HONOLULU COUNTY HI
COUNTRY :	US
LAND NET LOCATION DESC:	
LOCATION MAP:	10 PUULOA
LOCATION MAP SCALE:	24000
GAGE/LAND SURFACE ALTITUDE:	20.00
METHOD ALTITUDE DETERMINED:	M
ALTITUDE ACCURACY:	5
ALTITUDE DATUM:	NGVD29
HYDROLOGIC UNIT :	OAHU
DRAINAGE BASIN :	
TOPOGRAPHIC SETTING :	
AGENCY USE OF SITE :	INACTIVE OR DISCONTINUED DATA-COLLECTION SITE
DATE OF FIRST CONSTRUCTION:	
DATE SITE ESTABLISHED:	
DRAINAGE AREA:	
CONTRIBUTING DRAINAGE AREA:	
MEAN GREENWICH TIME OFFSET:	HST
LOCAL STANDARD TIME FLAG:	N
DATA RELIABILITY CODE :	U
OTHER GW FILES:	YYNNNNNN
TYPE OF GROUNDWATER SITE:	W
PRIMARY AQUIFER :	
AQUIFER TYPE :	
WELL_DEPTH VA:	441
HOLE DEPTH:	
DEPTH DATA SOURCE:	
PROJECT NUMBER:	

***Environmental FirstSearch
Site Detail Report***

TARGET SITE: FORD ISLAND NAVAL FAMILY HOUSING **JOB:** 904283
PEARL HARBOR HI 96860 RERUN

FEDERAL WELLS SITE

SEARCH ID: 13 **DIST/DIR:** 0.54 SE **MAP ID:** 13

NAME: 3-2257-04 W222 FORD	REV: 5/19/03
ADDRESS: HI	ID1: FW-HI-1428
HONOLULU COUNTY HI	ID2: 212210157573401
CONTACT:	STATUS: USGS GROUNDWATER INV
	PHONE:

SITE INFORMATION

AGENCY:	USGS
SITE ID:	212210157573401
SITE NAME:	3-2257-04 W222 FORD
SITE TYPE :	GROUND-WATER OTHER THAN SPRING
COUNTY :	HONOLULU COUNTY HI
COUNTRY :	US
LAND NET LOCATION DESC:	
LOCATION MAP:	10 PUULOA
LOCATION MAP SCALE:	24000
GAGE/LAND SURFACE ALTITUDE:	18.00
METHOD ALTITUDE DETERMINED:	M
ALTITUDE ACCURACY:	2
ALTITUDE DATUM:	NGVD29
HYDROLOGIC UNIT :	OAHU
DRAINAGE BASIN :	
TOPOGRAPHIC SETTING :	
AGENCY USE OF SITE :	INACTIVE OR DISCONTINUED DATA-COLLECTION SITE
DATE OF FIRST CONSTRUCTION:	
DATE SITE ESTABLISHED:	
DRAINAGE AREA:	
CONTRIBUTING DRAINAGE AREA:	
MEAN GREENWICH TIME OFFSET:	HST
LOCAL STANDARD TIME FLAG:	N
DATA RELIABILITY CODE :	U
OTHER GW FILES:	YYNNNNNN
TYPE OF GROUNDWATER SITE:	W
PRIMARY AQUIFER :	
AQUIFER TYPE :	
WELL_DEPTH VA:	484
HOLE DEPTH:	
DEPTH DATA SOURCE:	
PROJECT NUMBER:	

***Environmental FirstSearch
Site Detail Report***

TARGET SITE: FORD ISLAND NAVAL FAMILY HOUSING **JOB:** 904283
PEARL HARBOR HI 96860 RERUN

FEDERAL WELLS SITE

SEARCH ID: 12 **DIST/DIR:** 0.57 SE **MAP ID:** 12

NAME: 3-2257-03 W221 FORD	REV: 5/19/03
ADDRESS: HI	ID1: FW-HI-1430
HONOLULU COUNTY HI	ID2: 212212157573201
CONTACT:	STATUS: USGS GROUNDWATER INV
	PHONE:

SITE INFORMATION

AGENCY:	USGS
SITE ID:	212212157573201
SITE NAME:	3-2257-03 W221 FORD
SITE TYPE :	GROUND-WATER OTHER THAN SPRING
COUNTY :	HONOLULU COUNTY HI
COUNTRY :	US
LAND NET LOCATION DESC:	
LOCATION MAP:	10 PUULOA
LOCATION MAP SCALE:	24000
GAGE/LAND SURFACE ALTITUDE:	18.00
METHOD ALTITUDE DETERMINED:	M
ALTITUDE ACCURACY:	2
ALTITUDE DATUM:	NGVD29
HYDROLOGIC UNIT :	OAHU
DRAINAGE BASIN :	
TOPOGRAPHIC SETTING :	
AGENCY USE OF SITE :	INACTIVE OR DISCONTINUED DATA-COLLECTION SITE
DATE OF FIRST CONSTRUCTION:	
DATE SITE ESTABLISHED:	
DRAINAGE AREA:	
CONTRIBUTING DRAINAGE AREA:	
MEAN GREENWICH TIME OFFSET:	HST
LOCAL STANDARD TIME FLAG:	N
DATA RELIABILITY CODE :	U
OTHER GW FILES:	YYNNNNNN
TYPE OF GROUNDWATER SITE:	W
PRIMARY AQUIFER :	
AQUIFER TYPE :	
WELL_DEPTH VA:	503
HOLE DEPTH:	
DEPTH DATA SOURCE:	
PROJECT NUMBER:	

***Environmental FirstSearch
Site Detail Report***

TARGET SITE: FORD ISLAND NAVAL FAMILY HOUSING **JOB:** 904283
PEARL HARBOR HI 96860 RERUN

FEDERAL WELLS SITE

SEARCH ID: 15 **DIST/DIR:** 0.70 NW **MAP ID:** 15

NAME: 3-2258-09 W218-2 PRC	REV: 5/19/03
ADDRESS: HI	ID1: FW-HI-1511
HONOLULU COUNTY HI	ID2: 212235157583501
CONTACT:	STATUS: USGS GROUNDWATER INV
	PHONE:

SITE INFORMATION

AGENCY:	USGS
SITE ID:	212235157583501
SITE NAME:	3-2258-09 W218-2 PRC
SITE TYPE :	GROUND-WATER OTHER THAN SPRING
COUNTY :	HONOLULU COUNTY HI
COUNTRY :	US
LAND NET LOCATION DESC:	
LOCATION MAP:	09 WAIPAHU
LOCATION MAP SCALE:	24000
GAGE/LAND SURFACE ALTITUDE:	11.00
METHOD ALTITUDE DETERMINED:	M
ALTITUDE ACCURACY:	2
ALTITUDE DATUM:	NGVD29
HYDROLOGIC UNIT :	OAHU
DRAINAGE BASIN :	
TOPOGRAPHIC SETTING :	
AGENCY USE OF SITE :	INACTIVE OR DISCONTINUED DATA-COLLECTION SITE
DATE OF FIRST CONSTRUCTION:	19390101
DATE SITE ESTABLISHED:	
DRAINAGE AREA:	
CONTRIBUTING DRAINAGE AREA:	
MEAN GREENWICH TIME OFFSET:	HST
LOCAL STANDARD TIME FLAG:	N
DATA RELIABILITY CODE :	U
OTHER GW FILES:	YYNNNNNN
TYPE OF GROUNDWATER SITE:	W
PRIMARY AQUIFER :	
AQUIFER TYPE :	
WELL_DEPTH VA:	158
HOLE DEPTH:	
DEPTH DATA SOURCE:	
PROJECT NUMBER:	

***Environmental FirstSearch
Site Detail Report***

TARGET SITE: FORD ISLAND NAVAL FAMILY HOUSING **JOB:** 904283
PEARL HARBOR HI 96860 RERUN

FEDERAL WELLS SITE

SEARCH ID: 17 **DIST/DIR:** 0.70 SW **MAP ID:** 17

NAME: 3-2258.02	REV: 5/19/03
ADDRESS: HI	ID1: FW-HI-1422
HONOLULU COUNTY HI	ID2: 212205157584201
CONTACT:	STATUS: USGS GROUNDWATER INV
	PHONE:

SITE INFORMATION

AGENCY:	USGS
SITE ID:	212205157584201
SITE NAME:	3-2258.02
SITE TYPE :	GROUND-WATER OTHER THAN SPRING
COUNTY :	HONOLULU COUNTY HI
COUNTRY :	US
LAND NET LOCATION DESC:	
LOCATION MAP:	10 PUULOA
LOCATION MAP SCALE:	24000
GAGE/LAND SURFACE ALTITUDE:	10.00
METHOD ALTITUDE DETERMINED:	M
ALTITUDE ACCURACY:	5
ALTITUDE DATUM:	NGVD29
HYDROLOGIC UNIT :	OAHU
DRAINAGE BASIN :	
TOPOGRAPHIC SETTING :	FLAT SURFACE
AGENCY USE OF SITE :	INVENTORY DATA SITE ONLY
DATE OF FIRST CONSTRUCTION:	19721120
DATE SITE ESTABLISHED:	
DRAINAGE AREA:	
CONTRIBUTING DRAINAGE AREA:	
MEAN GREENWICH TIME OFFSET:	HST
LOCAL STANDARD TIME FLAG:	N
DATA RELIABILITY CODE :	U
OTHER GW FILES:	YYNNNNNN
TYPE OF GROUNDWATER SITE:	X
PRIMARY AQUIFER :	
AQUIFER TYPE :	
WELL_DEPTH VA:	
HOLE DEPTH:	39.5
DEPTH DATA SOURCE:	
PROJECT NUMBER:	

***Environmental FirstSearch
Site Detail Report***

TARGET SITE: FORD ISLAND NAVAL FAMILY HOUSING **JOB:** 904283
PEARL HARBOR HI 96860 RERUN

FEDERAL WELLS SITE

SEARCH ID: 16 **DIST/DIR:** 0.71 SW **MAP ID:** 16

NAME: 3-2258.01	REV: 5/19/03
ADDRESS: HI	ID1: FW-HI-1413
HONOLULU COUNTY HI	ID2: 212202157584201
CONTACT:	STATUS: USGS GROUNDWATER INV
	PHONE:

SITE INFORMATION

AGENCY:	USGS
SITE ID:	212202157584201
SITE NAME:	3-2258.01
SITE TYPE :	GROUND-WATER OTHER THAN SPRING
COUNTY :	HONOLULU COUNTY HI
COUNTRY :	US
LAND NET LOCATION DESC:	
LOCATION MAP:	10 PUULOA
LOCATION MAP SCALE:	24000
GAGE/LAND SURFACE ALTITUDE:	19.40
METHOD ALTITUDE DETERMINED:	M
ALTITUDE ACCURACY:	.5
ALTITUDE DATUM:	NGVD29
HYDROLOGIC UNIT :	OAHU
DRAINAGE BASIN :	
TOPOGRAPHIC SETTING :	FLAT SURFACE
AGENCY USE OF SITE :	INVENTORY DATA SITE ONLY
DATE OF FIRST CONSTRUCTION:	19650101
DATE SITE ESTABLISHED:	
DRAINAGE AREA:	
CONTRIBUTING DRAINAGE AREA:	
MEAN GREENWICH TIME OFFSET:	HST
LOCAL STANDARD TIME FLAG:	N
DATA RELIABILITY CODE :	M
OTHER GW FILES:	NYNNNNNN
TYPE OF GROUNDWATER SITE:	D
PRIMARY AQUIFER :	
AQUIFER TYPE :	
WELL_DEPTH VA:	
HOLE DEPTH:	9.0
DEPTH DATA SOURCE:	
PROJECT NUMBER:	

***Environmental FirstSearch
Site Detail Report***

TARGET SITE: FORD ISLAND NAVAL FAMILY HOUSING **JOB:** 904283
PEARL HARBOR HI 96860 RERUN

FEDERAL LAND USE

SEARCH ID: 10 **DIST/DIR:** 0.00 -- **MAP ID:** 10

NAME: NAVY DOD PEARL HARBOR NAVAL STATION	REV: 1/27/05
ADDRESS: HI	ID1: 45975
	ID2:
CONTACT:	STATUS:
	PHONE:

FEDERAL LAND INFORMATION

NAME:	PEARL HARBOR NAVAL STATION
FEATURE:	NAVY DOD
ADMINISTERING AGENCY:	DOD
STATE FIPS:	15
AREA:	0.001
PERIMETER:	0.152

FEDERAL LAND USE

SEARCH ID: 9 **DIST/DIR:** 0.46 -E **MAP ID:** 9

NAME: NAVY DOD FORD ISLAND NAVAL STATION ANNEX	REV: 1/27/05
ADDRESS: HI	ID1: 45980
	ID2:
CONTACT:	STATUS:
	PHONE:

FEDERAL LAND INFORMATION

NAME:	FORD ISLAND NAVAL STATION ANNEX
FEATURE:	NAVY DOD
ADMINISTERING AGENCY:	DOD
STATE FIPS:	15
AREA:	0
PERIMETER:	0.044

***Environmental FirstSearch
Site Detail Report***

TARGET SITE: FORD ISLAND NAVAL FAMILY HOUSING **JOB:** 904283
PEARL HARBOR HI 96860 RERUN

TOWERS

SEARCH ID: 20	DIST/DIR: 0.37 SE	MAP ID: 19
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NAME: ADDRESS: HONOLULU HI	REV: 01/04/04 ID1: 12-0335 ID2: STATUS: DOF PHONE:
CONTACT:	

AA S DIGITAL OBSTACLE FILE

The Digital Obstacle File describes all obstacles of interest to aviation users in the U.S. It contains obstruction data fo those man made objects which affect domestic aeronautical charting products.

VERIFICATION STATUS:	UNVERIFIED
OBSTACLE TYPE:	CRANE
FREQUENCY:	
ABOVE GROUND LEVEL HEIGHT:	0220
ABOVE MEAN SEA LEVEL HEIGHT:	00235
STROBE INDICATOR:	
HORIZONTAL ACCURACY:	
VERTICAL ACCURACY:	
PAINTED OR MARKED?:	
b1 FAA STUDY NUMBER:	99LR0000

***Environmental FirstSearch
Site Detail Report***

TARGET SITE: FORD ISLAND NAVAL FAMILY HOUSING **JOB:** 904283
PEARL HARBOR HI 96860 RERUN

TOWERS

SEARCH ID: 18 **DIST/DIR:** 0.71 SE **MAP ID:** 18

NAME: NEXTEL COMMUNICATIONS HAWAII	REV: 01/04/04
ADDRESS: FORD ISLAND HI	ID1: 00-AWP-0766-OE
	ID2:
	STATUS: ASR-DE
CONTACT:	PHONE:

ANTENNA STRUCTURE REGISTRATION - FAA DETERMINATION RECORDS

The Antenna Structure Registration database contains antenna structures that generally are more than 60.96 meters(200 feet) in height or are located near an airport. This record does not appear in the ASR registration records but does appear in the FAA Determination Records for the ASR database. Records in the FAA Determination Database may not have been built.

FAA DATE ISSUED:	5/4/2000
FAA DATE KEYED:	
FAA DATE EXPIRATION:	11/04/2001
DATE ACTION:	5/11/2000
FAA FINAL DATE:	
GROUND ELEVATION:	3
OVERALL HEIGHT OF STRUCTURE:	76.2
OVERALL HEIGHT AMSL:	79.2
FAA STUDY NUMBER:	00-AWP-0766-OE
FAA CIRCULAR NUMBER:	70/7460-1

***Environmental FirstSearch
Site Detail Report***

TARGET SITE: FORD ISLAND NAVAL FAMILY HOUSING **JOB:** 904283
PEARL HARBOR HI 96860 RERUN

TOWERS

SEARCH ID: 19	DIST/DIR: 0.71 SE	MAP ID: 18
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NAME: ADDRESS: FORD ISLAND HI	REV: 01/04/04 ID1: 12-0124 ID2: STATUS: DOF PHONE:
CONTACT:	

AA S DIGITAL OBSTACLE FILE

The Digital Obstacle File describes all obstacles of interest to aviation users in the U.S. It contains obstruction data fo those man made objects which affect domestic aeronautical charting products.

VERIFICATION STATUS:	VERIFIED
OBSTACLE TYPE:	TOWER
FREQUENCY:	
ABOVE GROUND LEVEL HEIGHT:	0212
ABOVE MEAN SEA LEVEL HEIGHT:	00225
STROBE INDICATOR:	RED LIGHTING
HORIZONTAL ACCURACY:	+500
VERTICAL ACCURACY:	+125
PAINTED OR MARKED?:	Y
b1 FAA STUDY NUMBER:	00WP0766

***Environmental FirstSearch
Site Detail Report***

TARGET SITE: FORD ISLAND NAVAL FAMILY HOUSING **JOB:** 904283
PEARL HARBOR HI 96860 RERUN

WETLANDS

SEARCH ID: 1 **DIST/DIR:** 0.00 -- **MAP ID:** 1

NAME: NATIONAL WETLANDS INVENTORY	REV: 2/27/02
ADDRESS: HI	ID1: NWI-HI-1666
	ID2:
CONTACT:	STATUS: E1OWL
	PHONE:

SITE INFORMATION

AREA:	12849569.07
PERIMETER:	67262.89
WETC:	6
WETC_ID:	22
ATTRIBUTE:	E1OWL

WETLANDS

SEARCH ID: 8 **DIST/DIR:** 0.33 N- **MAP ID:** 8

NAME: NATIONAL WETLANDS INVENTORY	REV: 2/27/02
ADDRESS: HI	ID1: NWI-HI-2142
	ID2:
CONTACT:	STATUS: E1OWL
	PHONE:

SITE INFORMATION

AREA:	4034280.04
PERIMETER:	13020.79
WETC:	45
WETC_ID:	50
ATTRIBUTE:	E1OWL

***Environmental FirstSearch
Site Detail Report***

TARGET SITE: FORD ISLAND NAVAL FAMILY HOUSING **JOB:** 904283
PEARL HARBOR HI 96860 RERUN

WETLANDS

SEARCH ID: 3 **DIST/DIR:** 0.34 NE **MAP ID:** 3

NAME: NATIONAL WETLANDS INVENTORY
ADDRESS: HI
CONTACT:

REV: 2/27/02
ID1: NWI-HI-1718
ID2:
STATUS: E1OWL
PHONE:

SITE INFORMATION

AREA: 6122.49
PERIMETER: 428.969
WETC: 20
WETC_ID: 34
ATTRIBUTE: E1OWL

WETLANDS

SEARCH ID: 2 **DIST/DIR:** 0.63 NW **MAP ID:** 2

NAME: NATIONAL WETLANDS INVENTORY
ADDRESS: HI
CONTACT:

REV: 2/27/02
ID1: NWI-HI-1669
ID2:
STATUS: E1OWL
PHONE:

SITE INFORMATION

AREA: 114.73
PERIMETER: 49.2876
WETC: 9
WETC_ID: 36
ATTRIBUTE: E1OWL

***Environmental FirstSearch
Site Detail Report***

TARGET SITE: FORD ISLAND NAVAL FAMILY HOUSING **JOB:** 904283
PEARL HARBOR HI 96860 RERUN

WETLANDS

SEARCH ID: 7 **DIST/DIR:** 0.63 NW **MAP ID:** 7

NAME: NATIONAL WETLANDS INVENTORY	REV: 2/27/02
ADDRESS: HI	ID1: NWI-HI-2086
	ID2:
CONTACT:	STATUS: E1OWL
	PHONE:

SITE INFORMATION

AREA:	2014598.41
PERIMETER:	7610.77
WETC:	52
WETC_ID:	22
ATTRIBUTE:	E1OWL

WETLANDS

SEARCH ID: 4 **DIST/DIR:** 0.74 SW **MAP ID:** 4

NAME: NATIONAL WETLANDS INVENTORY	REV: 2/27/02
ADDRESS: HI	ID1: NWI-HI-1729
	ID2:
CONTACT:	STATUS: E2FO3P
	PHONE:

SITE INFORMATION

AREA:	11427.38
PERIMETER:	758.203
WETC:	29
WETC_ID:	39
ATTRIBUTE:	E2FO3P

***Environmental FirstSearch
Site Detail Report***

TARGET SITE: FORD ISLAND NAVAL FAMILY HOUSING **JOB:** 904283
PEARL HARBOR HI 96860 RERUN

WETLANDS

SEARCH ID: 6 **DIST/DIR:** 0.75 SW **MAP ID:** 6

NAME: NATIONAL WETLANDS INVENTORY	REV: 2/27/02
ADDRESS: HI	ID1: NWI-HI-1756
	ID2:
CONTACT:	STATUS: PEM1CD
	PHONE:

SITE INFORMATION

AREA:	9305.99
PERIMETER:	400.687
WETC:	38
WETC_ID:	43
ATTRIBUTE:	PEM1Cd

WETLANDS

SEARCH ID: 5 **DIST/DIR:** 0.75 SW **MAP ID:** 5

NAME: NATIONAL WETLANDS INVENTORY	REV: 2/27/02
ADDRESS: HI	ID1: NWI-HI-1750
	ID2:
CONTACT:	STATUS: E1OWL
	PHONE:

SITE INFORMATION

AREA:	1420.96
PERIMETER:	143.416
WETC:	32
WETC_ID:	40
ATTRIBUTE:	E1OWL

Environmental FirstSearch
Site Detail Report

TARGET SITE: FORD ISLAND NAVAL FAMILY HOUSING **JOB:** 904283
PEARL HARBOR HI 96860 RERUN

EMERGENCY RESPONSE NOTIFICATION SITE

SEARCH ID: 21 **DIST/DIR:** NON GC **MAP ID:**

NAME: **REV:** 4/26/96
ADDRESS: AVE A AND 6TH STREET NEAR BLDG #92
PEARL HARBOR HI 96860 **ID1:** 489433
 ID2:
CONTACT: **STATUS:** UNKNOWN (NRC)
 PHONE:

SPILL INFORMATION

DATE OF SPILL: 4/26/1996 **TIME OF SPILL:** 1500

PRODUCT RELEASED (1): MERCURY
QUANTITY (1): 4
UNITS (1): LBS

PRODUCT RELEASED (2):
QUANTITY (2):
UNITS (2):

PRODUCT RELEASED (3):
QUANTITY (3):
UNITS (3):

MEDIUM/MEDIA AFFECTED

AIR: NO **GROUNDWATER:** NO
LAND: YES **FIXED FACILITY:** NO
WATER: NO **OTHER:** NO
WATERBODY AFFECTED BY RELEASE: ASPHALT

CAUSE OF RELEASE

DUMPING: NO **EQUIPMENT FAILURE:** NO
NATURAL PHENOMENON: NO **OPERATOR ERROR:** NO
OTHER CAUSE: NO **TRANSP. ACCIDENT:** NO
UNKNOWN: NO

ACTIONS TAKEN: FOUND ON ASPHALT. AREA ROPED OFF AND MATERIAL VACUUMED UP.

RELEASE DETECTION: UNKNOWN / FOUND SPILL ALONGSIDE ROAD

MISC. NOTES: CLEANUP IS STILL IN PROGRESS, CONSIDERING TAKING UP ASPHALT. WILL NOTIFY:STATE DEPT OF HEALTH

DISCHARGER INFORMATION

DISCHARGER ID: 489433 **DUN & BRADSTREET #:**
TYPE OF DISCHARGER:
NAME OF DISCHARGER:
ADDRESS:

Environmental FirstSearch Database Descriptions

NPL: *EPA* NATIONAL PRIORITY LIST - Database of confirmed, proposed or deleted Superfund sites.

CERCLIS: *EPA* COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITY INFORMATION SYSTEM - Database of current and potential Superfund sites currently or previously under investigation.

NFRAP: *EPA* COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITY INFORMATION SYSTEM ARCHIVED SITES - database of Archive designated CERCLA sites that, to the best of EPA's knowledge, assessment has been completed and has determined no further steps will be taken to list this site on the National Priorities List (NPL). This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

RCRA TSD: *EPA* RESOURCE CONSERVATION AND RECOVERY INFORMATION SYSTEM TREATMENT, STORAGE, and DISPOSAL FACILITIES. - Database of facilities licensed to store, treat and dispose of hazardous waste materials.

RCRA COR: *EPA* RESOURCE CONSERVATION AND RECOVERY INFORMATION SYSTEM SITES - Database of RCRA facilities with reported violations and subject to corrective actions.

RCRA GEN: *EPA* RESOURCE CONSERVATION AND RECOVERY INFORMATION SYSTEM SITES - Database of facilities that generate or transport hazardous waste or meet other RCRA requirements. LGN - Large Quantity Generators SGN - Small Quantity Generators VGN – Conditionally Exempt Generator. Included are RAATS (RCRA Administrative Action Tracking System) and CMEL (Compliance Monitoring & Enforcement List) facilities.

RCRA NLR: *EPA* RESOURCE CONSERVATION AND RECOVERY INFORMATION SYSTEM SITES - Database of facilities not currently classified by the EPA but are still included in the RCRIS database. Reasons for non classification: Failure to report in a timely matter. No longer in business. No longer in business at the listed address. No longer generating hazardous waste materials in quantities which require reporting.

ERNS: *EPA/NRC* EMERGENCY RESPONSE NOTIFICATION SYSTEM - Database of emergency response actions. Data since January 2001 has been received from the National Response System database as the EPA no longer maintains this data.

NPDES: *EPA* THE NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM - Database of permitted facilities receiving and discharging effluents to and from a natural source where treatment of the effluent is monitored.

FINDS: *EPA* FACILITY INDEX SYSTEM(FINDS)/FACILITY REGISTRY SYSTEM(FRS) - The index of identification numbers associated with a property or facility which the EPA has investigated or has been made aware of in conjunction with various regulatory programs. Each record indicates the EPA office that may have files on the site or facility. A Facility Registry System site has an FRS in the status field.

TRIS: *EPA* TOXIC RELEASE INVENTORY SYSTEM - Database of all facilities that have had or may be prone to toxic material releases.

REG UST/AST: *HI DOH* UNDERGROUND STORAGE TANKS- The Hawaii Department of Health's inventory of underground storage tanks.

LEAKING UST: *HI DOH* LEAKING UNDERGROUND STORAGE TANKS-The Hawaii Department of Health's inventory of sites with leaking underground storage tanks.

WETLANDS: *US FWS* NATIONAL WETLANDS INVENTORY (NWI) - database of information on the characteristics, extent, and status of the Nation's wetlands and deepwater habitats. This data is available for select areas of the United States.

FLOODPLAINS: *FEMA* FLOODPLAINS – database of 100 year and 500 year flood zone boundaries for select counties in the United States

RECEPTORS: *US DOC* SENSITIVE RECEPTORS - 2002 Census Bureau's TIGER (Topologically Integrated Geographic Encoding and Referencing System) database of schools and hospitals. List of schools and hospitals that may house individuals deemed sensitive to environmental discharges due to their fragile immune systems.

NUCLEAR PERMITS: *EPA/NRC* PERMITTED NUCLEAR FACILITIES THE RADINFO DATABASE - Database of basic information about facilities that are permitted and regulated for their use and handling of radioactive materials.

HISTORIC/LANDMARK: *NPS* NATIONAL REGISTRY OF HISTORIC PLACES DATABASE - The nation's official list of cultural resources worthy of preservation. Properties listed include districts, sites, buildings, structures, and objects that are significant in American history, architecture, archeology, engineering, and culture.

FEDERAL LAND USE: *USGS/EPA* FEDERAL LANDS OF THE UNITED STATES - Database of lands owned or administered by the Federal Government, including the Bureau of Land Management, the Bureau of Reclamation, the U.S. Department of Agriculture Forest Service, the Department of Defense, the U.S. Fish and Wildlife Service, the National Park Service, the Tennessee Valley Authority, and other agencies. Only areas of 640 acres or more are included. Descriptive information includes the name and type of the Federal land and the

administering agency.INDIAN LANDS OF THE UNITED STATES - Areas administered by the Bureau of Indian Affairs shows areas of 640 acres or more, administered by the Bureau of Indian Affairs. Included are Federally-administered lands within a reservation which may or may not be considered part of the reservation.ENDANGERED SPECIES PROTECTION PROGRAM DATABASE – List of the Endangered Species by county and the species status.

FEDERAL WELLS: *USGS* UNITED STATES GROUND-WATER SITES INVENTORY - Database of more than 850,000 records of wells, springs, test holes, tunnels, drains, and excavations in the United States.

RELEASES(AIR/WATER): *EPA/NRC* AIR AND SURFACE WATER RELEASES - A subset of the ERNSNational Response System database which have impacted only the air or surface water.

HMIRS: *US DOT* HAZARDOUS MATERIALS INCIDENT RESPONSE SYSTEM - Database of information regarding materials, packaging, and a description of events for tracked incidents.

NCDB: *EPA* NATIONAL COMPLIANCE DATA BASE SYSTEM - Database of regional compliance and enforcement activity and manages the Pesticides and Toxic Substances Compliance and Enforcement program at a national level. The system tracks all compliance monitoring and enforcement activities from the time an inspector conducts and inspection until the time the inspector closes or the case settles the enforcement action. NCDB is the national repository of the 10 regional and Headquarters FIFRA/TSCA Tracking System (FTTS). Data collected in the regional FTTS is transferred to NCDB to support the need for monitoring national performance of regional programs.

OTHER: *EPA* SECTION SEVEN TRACKING SYSTEM (SSTS) – database of registration and production data for facilities which manufacture pesticides.AEROMETRIC INFORMATION RETRIEVAL SYSTEM (AIRS) – database of detailed information pertaining to sites which submit air emissions reports. Developed under the Clean Air Act, this database also maintains data on compliance status and enforcement actions.

TOWERS: *FAA/ FCC* Tower - database encompasses three sources of information from the Federal Aviation Administration and the Federal Communications Commission. FAA data includes the Digital Obstacle File which contains obstruction data for man made objects that affect domestic aeronautical charting products. FCC data includes the Wireless Telecommunication Bureau's Universal Licensing System which contains the Antenna Structure Database and the Cellular Tower Database. FCC data also includes the Mass Media Bureau's Consolidated Database System which includes engineering data for AM, FM, and Television broadcasting stations.

SOILS: *USGS/NRCS* NATIONAL SOILS DATABASE - Database comprised of the State Soil Geographic (STATSGO) data for the conterminous United States, Soil Survey Geographic (SSURGO) and Digital Data Series Bedrock data. These databases contain information regarding soil characteristics such as water capacity, percent clay, organic material, permeability, thickness of layers, hydrological characteristics, quality of drainage, surface, slope, liquid limit, and the annual frequency of flooding.

PADS: *EPA* DATABASE OF PCB HANDLERS - Database of PolyChlorinatedBiPhenol generators, transporters, storers and/or disposers that are required to register with the EPA. This database indicates the type of handler and registration number. Also included is the PCB Transformer Registration Database.

RADON: *NTIS* NATIONAL RADON DATABASE - EPA radon data from 1990-1991 national radon project collected for a variety of zip codes across the United States.

Environmental FirstSearch Database Sources

NPL: *EPA* Environmental Protection Agency

Updated quarterly

CERCLIS: *EPA* Environmental Protection Agency

Updated quarterly

NFRAP: *EPA* Environmental Protection Agency.

Updated quarterly

RCRA TSD: *EPA* Environmental Protection Agency.

Updated quarterly

RCRA COR: *EPA* Environmental Protection Agency.

Updated quarterly

RCRA GEN: *EPA* Environmental Protection Agency.

Updated quarterly

RCRA NLR: *EPA* Environmental Protection Agency

Updated quarterly

ERNS: *EPA/NRC* Environmental Protection Agency

Updated semi-annually

NPDES: *EPA* Environmental Protection Agency

Updated quarterly

FINDS: *EPA* Environmental Protection Agency

Updated annually

TRIS: *EPA* Environmental Protection Agency.

Updated quarterly

REG UST/AST: *HI DOH* The Hawaii Department of Health, Solid and Hazardous Waste Branch

Updated biannually

LEAKING UST: *HI DOH* The Hawaii Department of Health, Solid and Hazardous Waste Branch

Updated biannually

WETLANDS: *US FWS* U.S. Fish and Wildlife Service

Updated when available

FLOODPLAINS: *FEMA* Federal Emergency Management Agency

Updated when available

RECEPTORS: *US DOC* US Department of Commerce, Census Bureau

Updated periodically

NUCLEAR PERMITS: *EPA/NRC* Nuclear Regulatory Commission

Updated periodically

HISTORIC/LANDMARK: *NPS* National Park Service

Updated annually

FEDERAL LAND USE: *USGS/EPA* U.S. Geological Survey

Updated annually

FEDERAL WELLS: *USGS* United States Geographical Survey.

Updated annually

RELEASES(AIR/WATER): *EPA/NRC* Environmental Protection Agency

Updated semi-annually

HMIRS: *US DOT* US Department of Transportation

Updated quarterly

NCDB: *EPA* Environmental Protection Agency

Updated quarterly

OTHER: *EPA* Environmental Protection Agency

Updated quarterly

TOWERS: *FAA/FCC* Federal Aviation Administration

Updated

SOILS: *USGS/NRCS* United States Geographical Survey

Updated annually

PADS: *EPA* Environmental Protection Agency

Updated quarterly

RADON: *NTIS* Environmental Protection Agency, National Technical Information Services

Updated periodically

Environmental FirstSearch
Street Name Report for Streets within .25 Mile(s) of Target Property

TARGET SITE: FORD ISLAND NAVAL FAMILY HOUSING **JOB:** 904283
PEARL HARBOR HI 96860 RERUN

Street Name	Dist/Dir	Street Name	Dist/Dir
Avocet St	0.17 NW		
Bataan Rd	0.17 NW		
Enterprise St	0.22 SE		
Gambier Bay St	0.17 NW		
Hancock Ave	0.22 NE		
Intrepid Ave	0.19 SE		
Kingfisher St	0.19 NW		
Kittyhawk St	0.19 SE		
Lexington Blvd	0.22 SE		
NOCOVERAGE	0.00 --		
Pokomoke St	0.23 SE		
Ranger Loop	0.16 NW		
San Jacinto St	0.23 SW		
Wasp Blvd	0.15 NW		
Yorktown Blvd	0.22 NE		



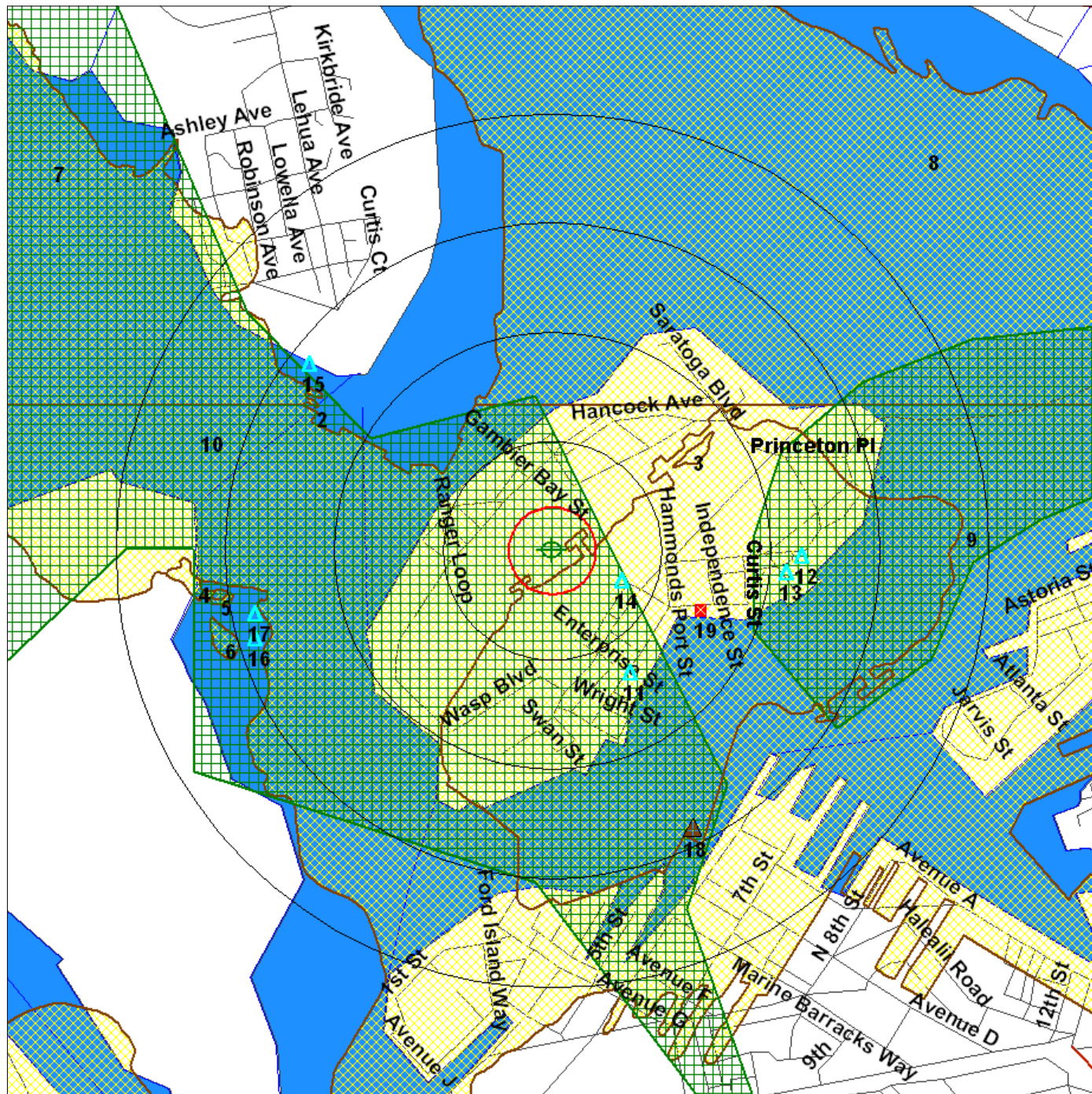
Environmental FirstSearch

1 Mile Radius

Single Map:



FORD ISLAND NAVAL FAMILY HOUSING, PEARL HARBOR HI 9681



Source: U.S. Census TIGER Files

Target Site (Latitude: 21.367 Longitude: -157.965)

Identified Site, Multiple Sites, Receptor

NPL, Brownfield, Solid Waste Landfill (SWL) or Hazardous Waste

Railroads

Black Rings Represent 1/4 Mile Radius; Red Ring Represents 500 ft. Radius



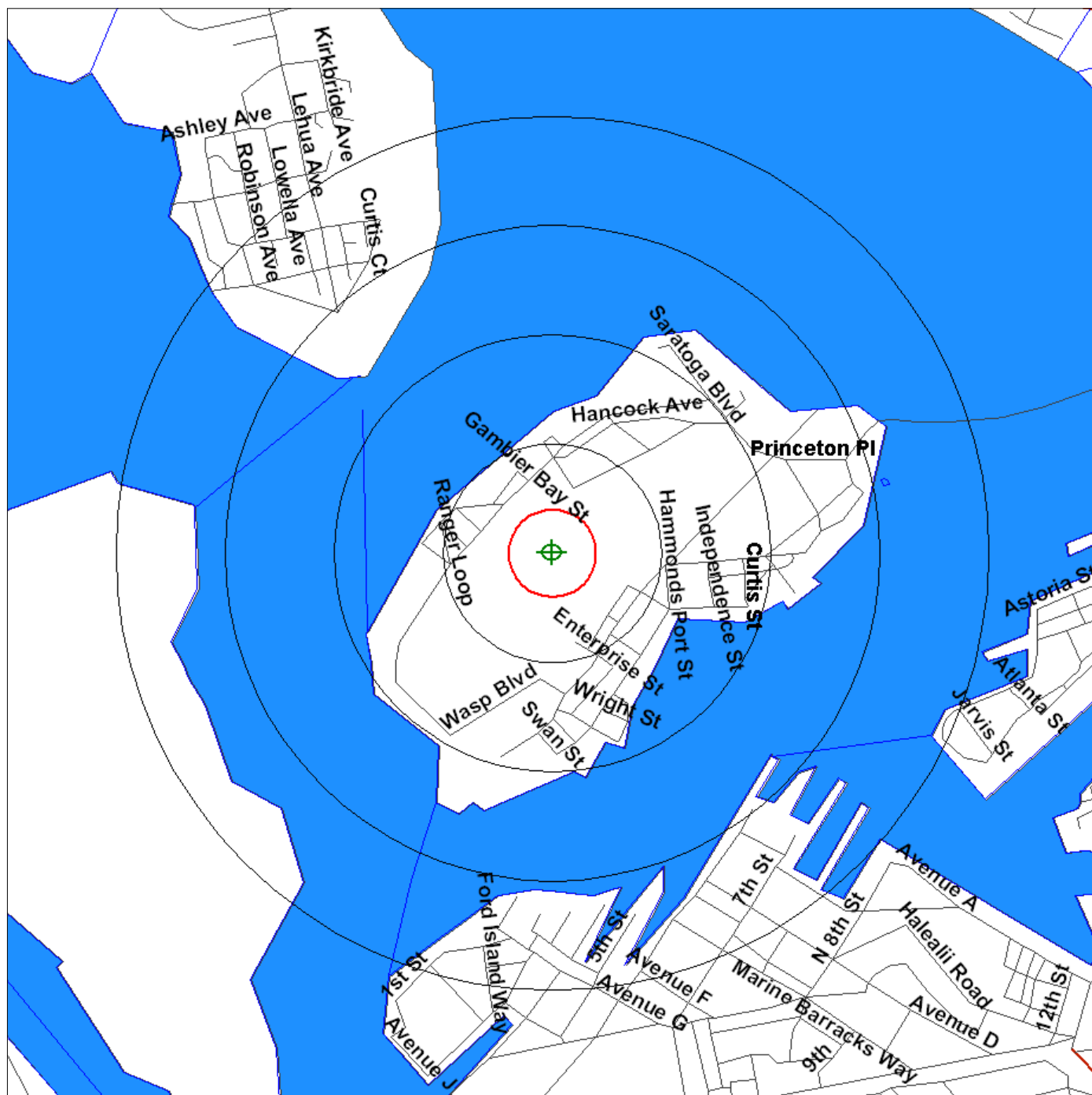


Environmental FirstSearch

1 Mile Radius
ASTM: NPL, RCRACOR, STATE



FORD ISLAND NAVAL FAMILY HOUSING, PEARL HARBOR HI 9681

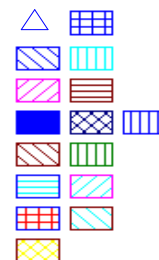


Source: U.S. Census TIGER Files

Target Site (Latitude: 21.367 Longitude: -157.965)
Identified Site, Multiple Sites, Receptor
NPL, Brownfield, Solid Waste Landfill (SWL) or Hazardous Waste
National Historic Sites and Landmark Sites
Soil Sites
Railroads
Black Rings Represent 1/4 Mile Radius; Red Ring Represents 500 ft. Radius



Public Water Supply, DEP Zone II Boundaries
Potentially Productive Aquifers: High Yield (GAA), Medium Yield (GA)
Non-Potential Drinking Source: High Yield (GB), Medium Yield (GC) ...
Water Bodies, Sole Source Aquifer
Area of Critical Environmental Concern (ACEC), Protected Open Spaces
Estimated Habitats of Rare Wetlands Wildlife, Vernal Pool
Floodplains: 100 Year, 500 Year
Wetlands



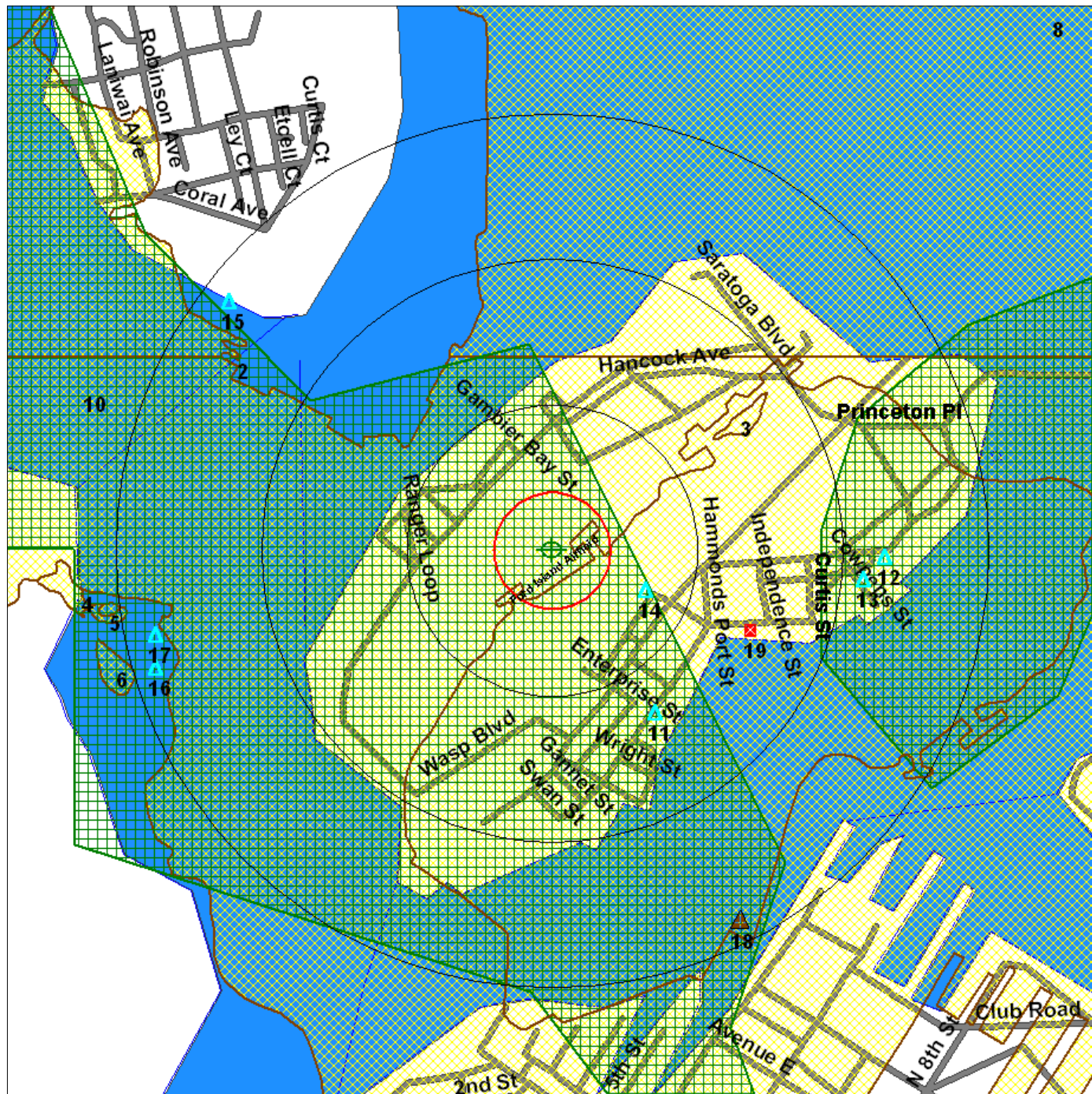


Environmental FirstSearch

.75 Mile Radius
ASTM: Multiple Databases



FORD ISLAND NAVAL FAMILY HOUSING, PEARL HARBOR HI 9681

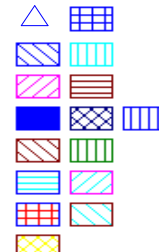


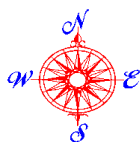
Source: U.S. Census TIGER Files

- Target Site (Latitude: 21.367 Longitude: -157.965)
- Identified Site, Multiple Sites, Receptor
- NPL, Brownfield, Solid Waste Landfill (SWL) or Hazardous Waste
- National Historic Sites and Landmark Sites
- Soil Sites
- Railroads
- Black Rings Represent 1/4 Mile Radius; Red Ring Represents 500 ft. Radius



- Public Water Supply, DEP Zone II Boundaries
- Potentially Productive Aquifers: High Yield (GAA), Medium Yield (GA)
- Non-Potential Drinking Source: High Yield (GB), Medium Yield (GC)...
- Water Bodies, Sole Source Aquifer
- Area of Critical Environmental Concern (ACEC), Protected Open Spaces
- Estimated Habitats of Rare Wetlands Wildlife, Vernal Pool
- Floodplains: 100 Year, 500 Year
- Wetlands





Environmental FirstSearch

1 Mile Radius
ASTM Map: NPL, RCRA COR, STATE Sites



FORD ISLAND NAVAL FAMILY HOUSING, PEARL HARBOR HI 9681



Source: U.S. Census TIGER Files

Target Site (Latitude: 21.367 Longitude: -157.965)

Identified Site, Multiple Sites, Receptor

NPL, Brownfield, Solid Waste Landfill (SWL) or Hazardous Waste

Railroads

Black Rings Represent 1/4 Mile Radius; Red Ring Represents 500 ft. Radius



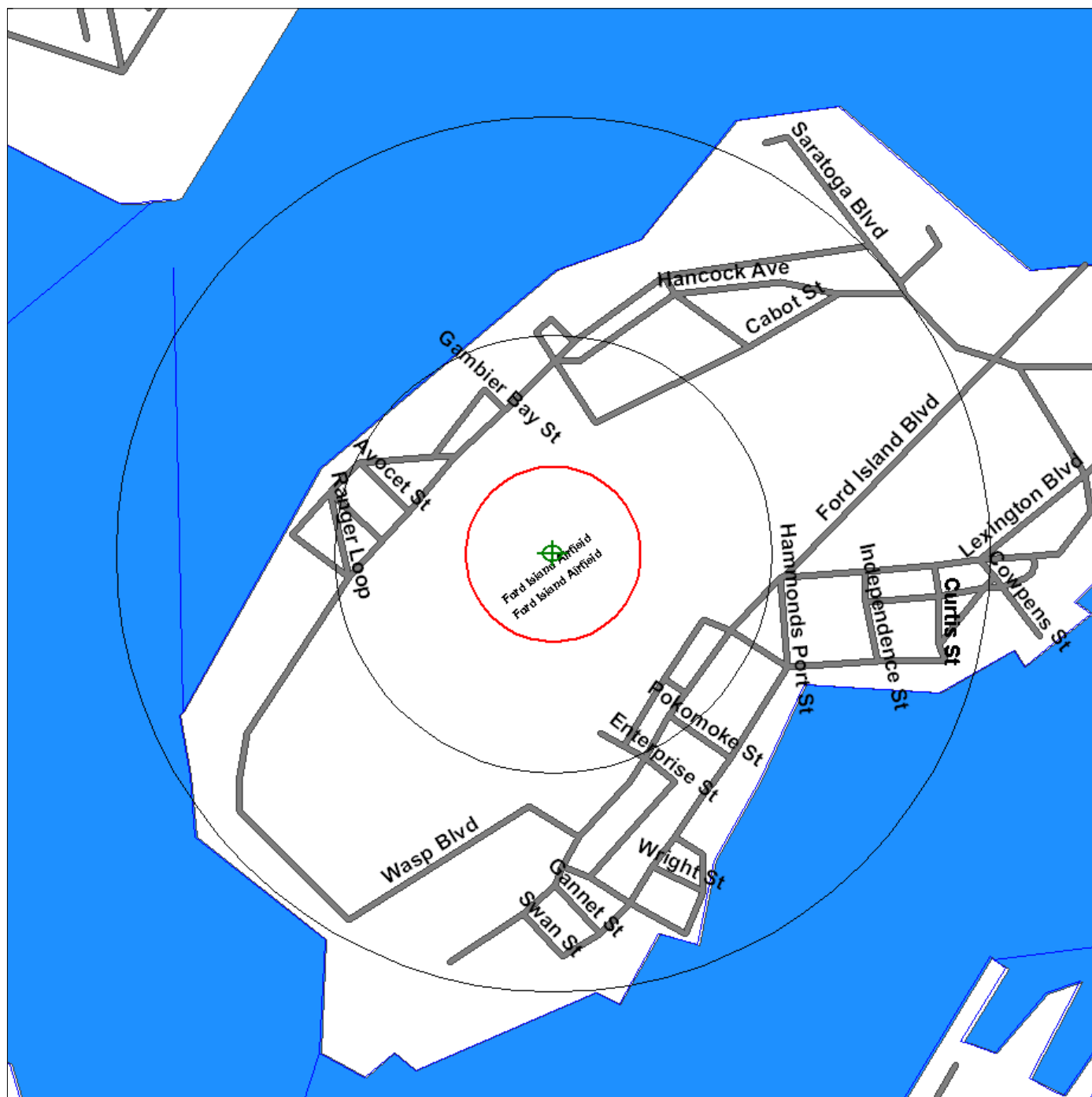


Environmental FirstSearch

.5 Mile Radius
ASTM Map: CERCLIS, RCRATSD, LUST, SWL



FORD ISLAND NAVAL FAMILY HOUSING, PEARL HARBOR HI 9681



Source: U.S. Census TIGER Files

Target Site (Latitude: 21.367 Longitude: -157.965)

Identified Site, Multiple Sites, Receptor

NPL, Brownfield, Solid Waste Landfill (SWL) or Hazardous Waste

Railroads

Black Rings Represent 1/4 Mile Radius; Red Ring Represents 500 ft. Radius



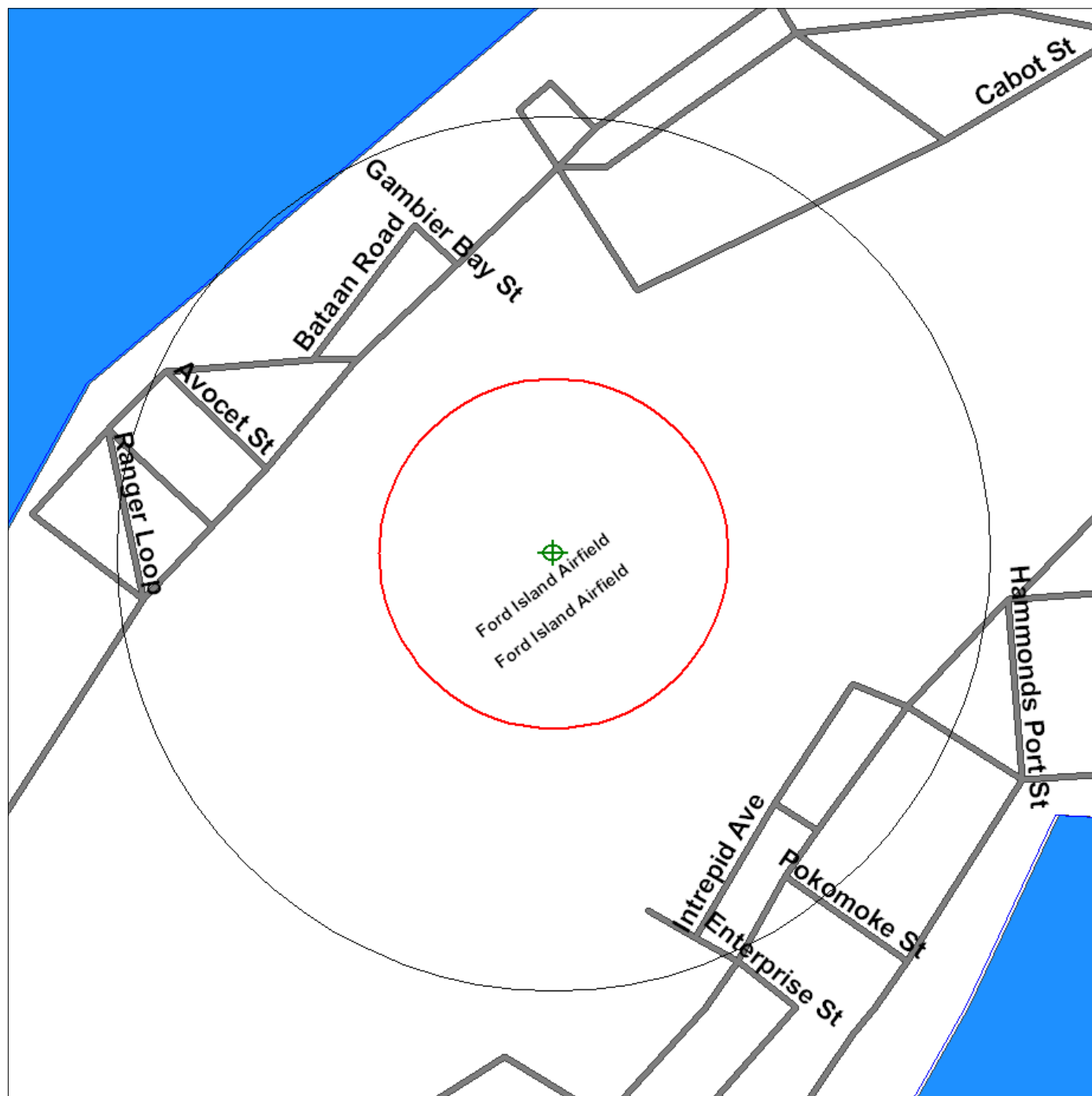


Environmental FirstSearch

.25 Mile Radius
ASTM Map: RCAGEN, ERNS, UST



FORD ISLAND NAVAL FAMILY HOUSING, PEARL HARBOR HI 9681



Source: U.S. Census TIGER Files

Target Site (Latitude: 21.367 Longitude: -157.965)

Identified Site, Multiple Sites, Receptor

NPL, Brownfield, Solid Waste Landfill (SWL) or Hazardous Waste

Railroads

Black Rings Represent 1/4 Mile Radius; Red Ring Represents 500 ft. Radius



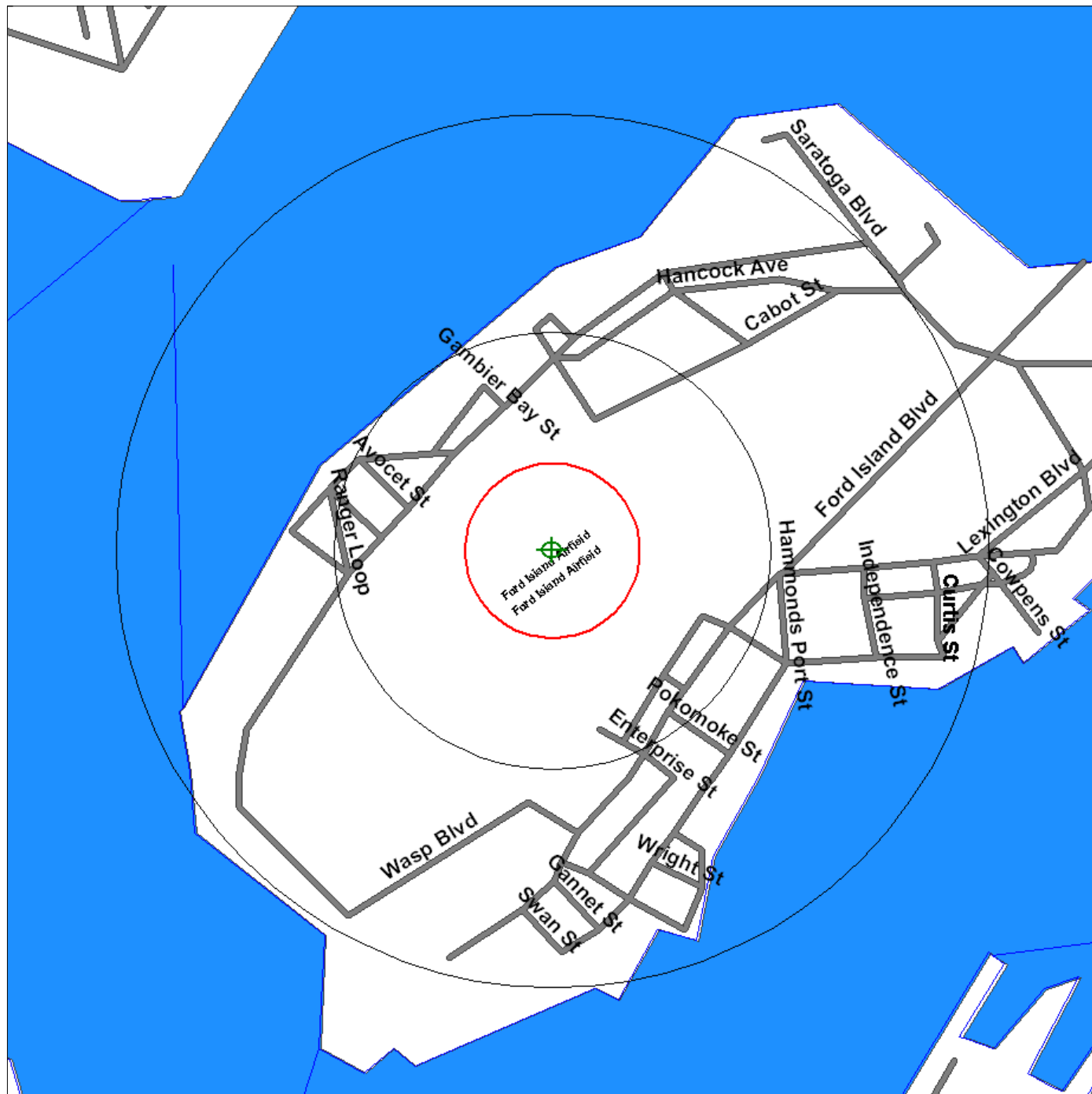


Environmental FirstSearch

.5 Mile Radius
ASTM AAI Map: Brownfield



FORD ISLAND NAVAL FAMILY HOUSING, PEARL HARBOR HI 9681



Source: U.S. Census TIGER Files

Target Site (Latitude: 21.367 Longitude: -157.965)

Brownfield.....

Railroads

Black Rings Represent 1/4 Mile Radius; Red Ring Represents 500 ft. Radius





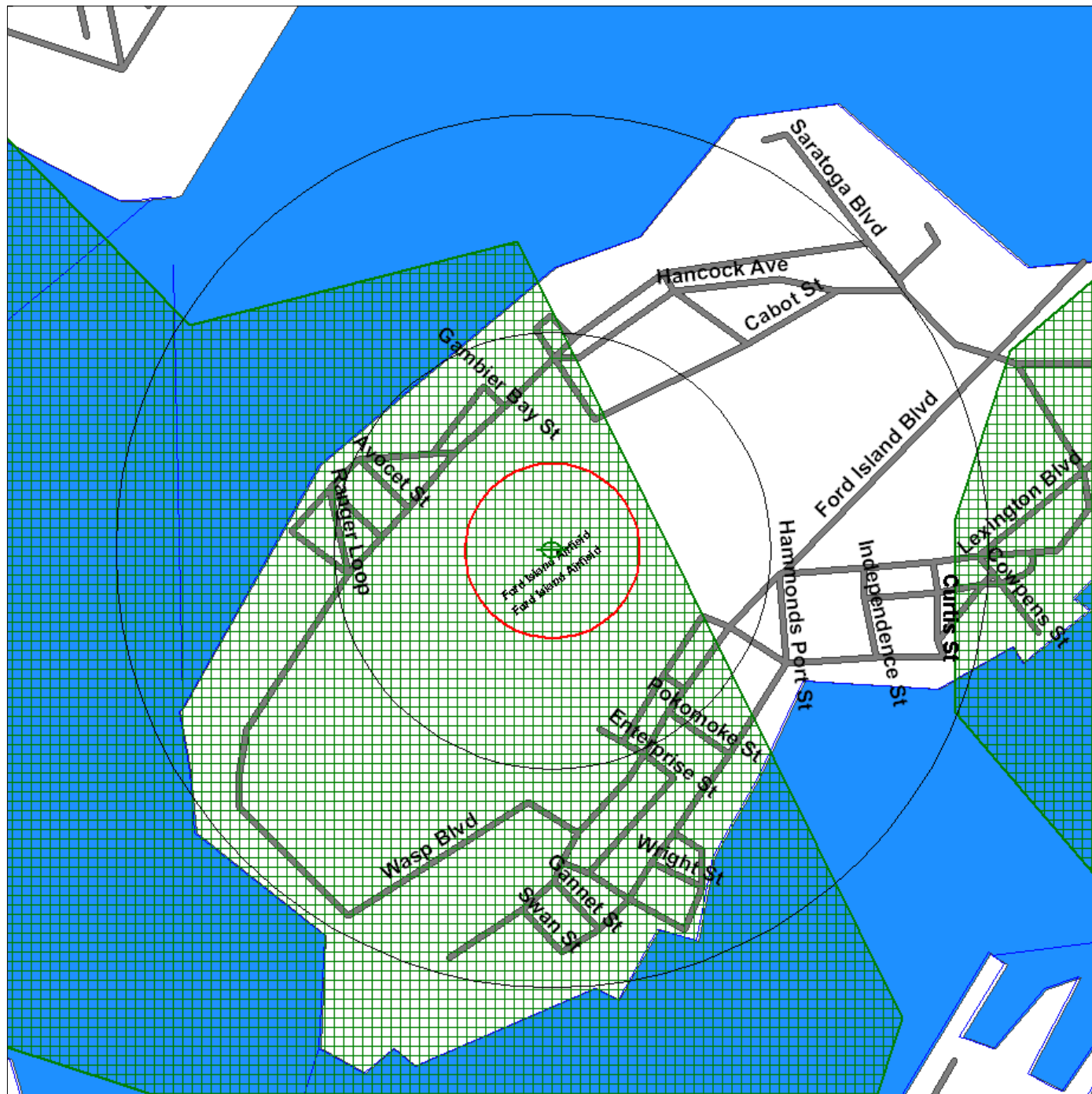
Environmental FirstSearch

.5 Mile Radius

ASTM AAI Map: Federal Land Use Sites



FORD ISLAND NAVAL FAMILY HOUSING, PEARL HARBOR HI 9681



Source: U.S. Census TIGER Files

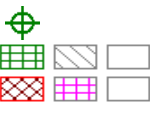
Target Site (Latitude: 21.367 Longitude: -157.965)

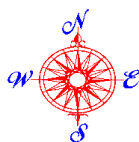
Fed. Land Use: Wilderness Areas, Wildlife Preserves

Fed. Land Use: Amer. Indian Sacred Sites, End. Species' Habitats...

Railroads

Black Rings Represent 1/4 Mile Radius; Red Ring Represents 500 ft. Radius



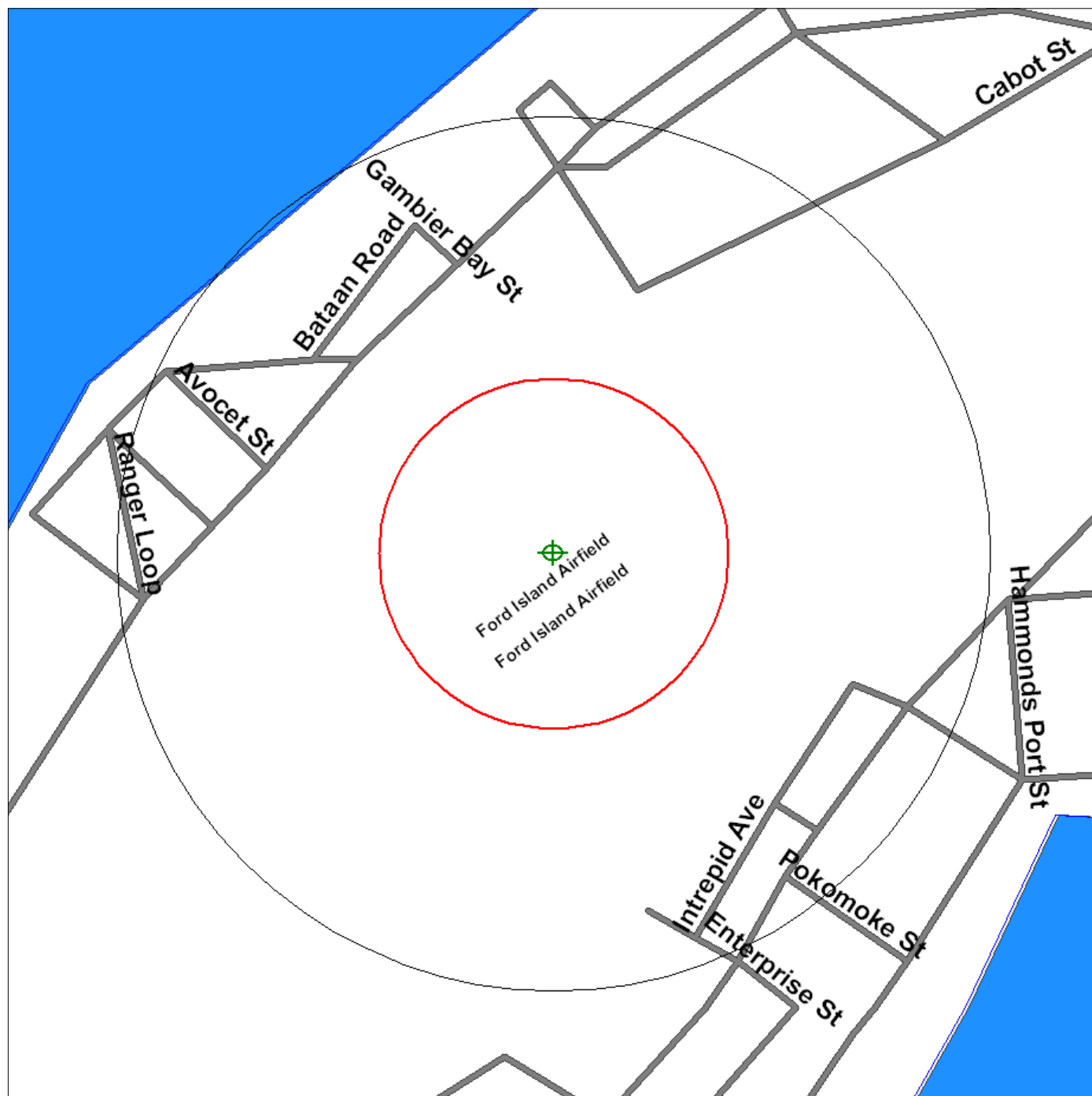


Environmental FirstSearch

.25 Mile Radius
Non-ASTM Map: No Sites Found



FORD ISLAND NAVAL FAMILY HOUSING, PEARL HARBOR HI 9681



Source: U.S. Census TIGER Files

Target Site (Latitude: 21.367 Longitude: -157.965)

Identified Site, Multiple Sites, Receptor

NPL, Brownfield, Solid Waste Landfill (SWL) or Hazardous Waste

National Historic Sites and Landmark Sites

Railroads

Black Rings Represent 1/4 Mile Radius; Red Ring Represents 500 ft. Radius



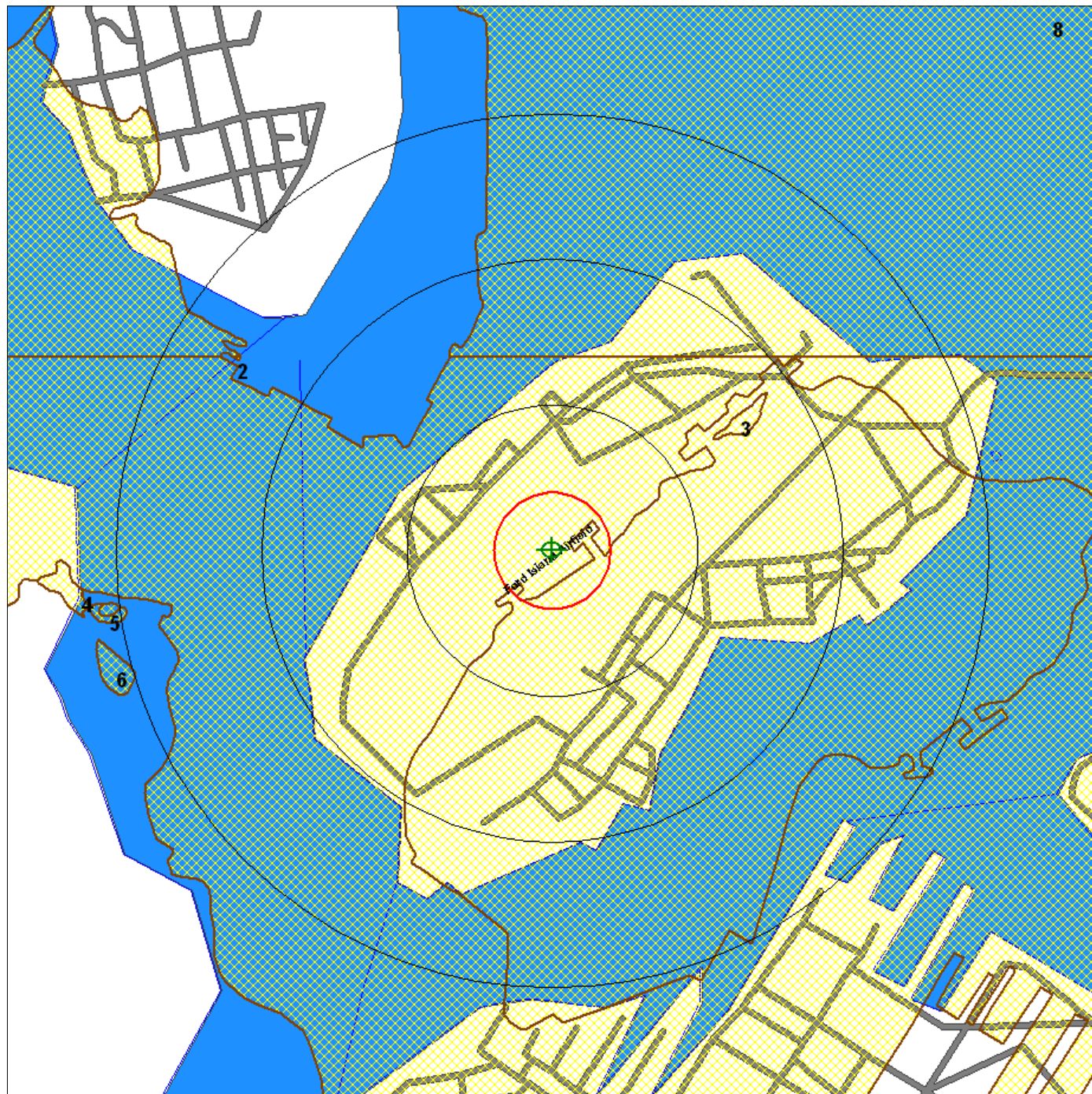


Environmental FirstSearch

.75 Mile Radius
NEPA Map: WETLANDS



FORD ISLAND NAVAL FAMILY HOUSING, PEARL HARBOR HI 9681



Source: U.S. Census TIGER Files

Target Site (Latitude: 21.367 Longitude: -157.965) ..

Identified Site, Multiple Sites, Receptor

Wetlands

Railroads



Black Rings Represent 1/4 Mile Radii; Red Ring Represents 500 ft. Radius

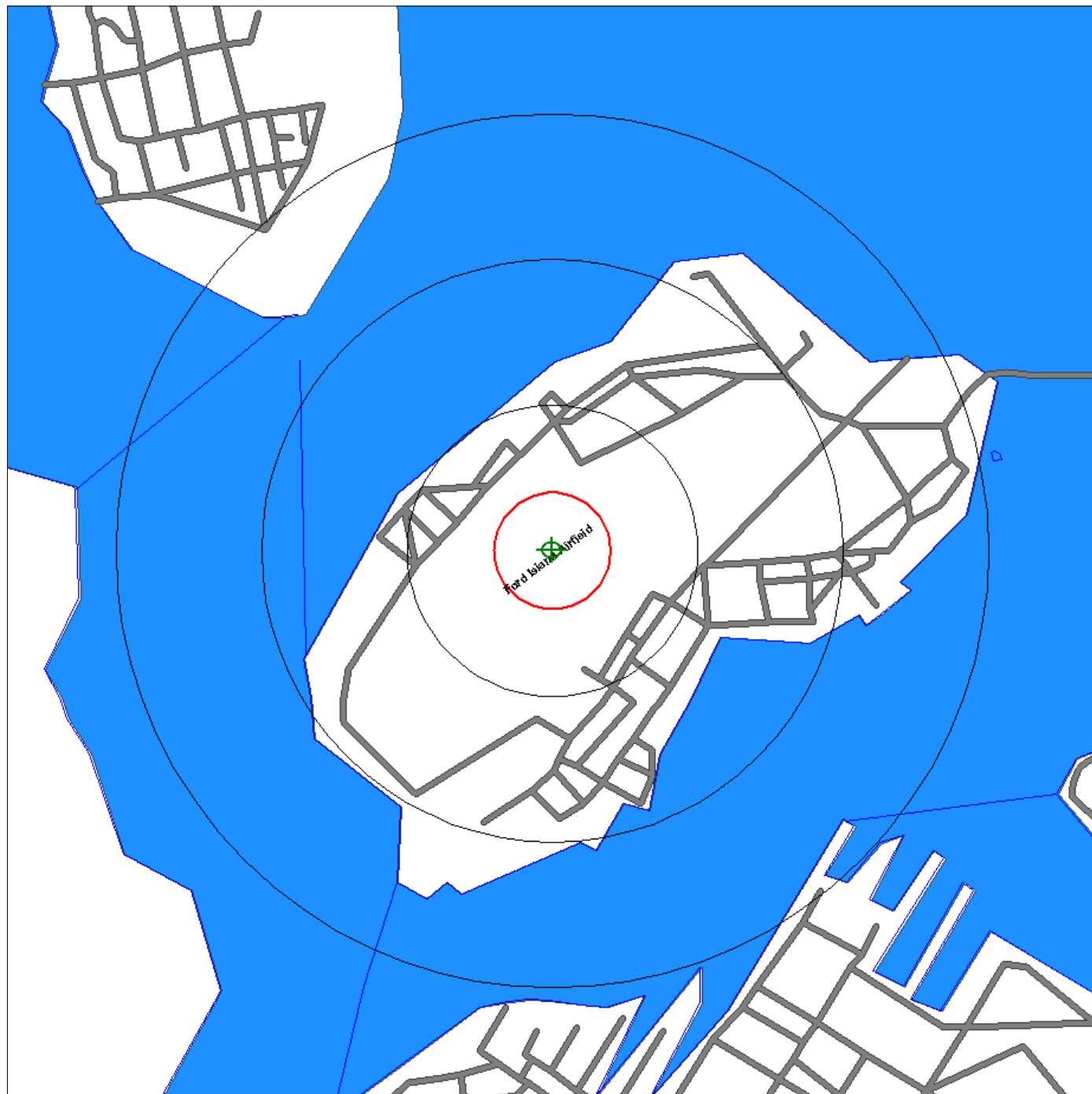


Environmental FirstSearch

.75 Mile Radius
NEPA Map: FLOODPLAINS



FORD ISLAND NAVAL FAMILY HOUSING, PEARL HARBOR HI 9681



Source: U.S. Census TIGER Files

Target Site (Latitude: 21.367 Longitude: -157.965)



Identified Site, Multiple Sites, Receptor



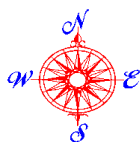
Floodplains: 100 Year, 500 Year



Railroads



Black Rings Represent 1/4 Mile Radii; Red Ring Represents 500 ft. Radius

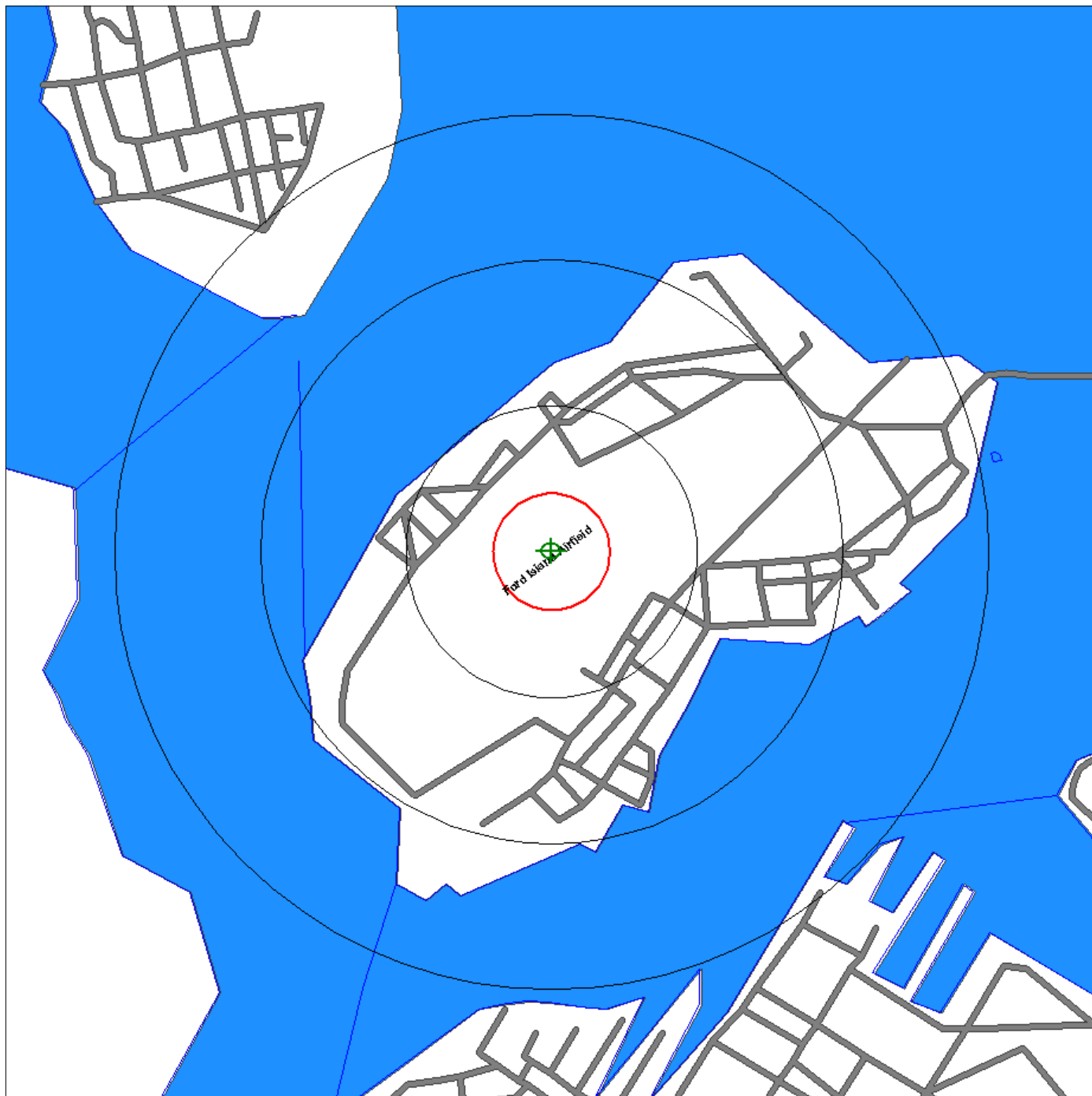


Environmental FirstSearch

.75 Mile Radius
NEPA Map: ACEC SITES



FORD ISLAND NAVAL FAMILY HOUSING, PEARL HARBOR HI 9681



Source: U.S. Census TIGER Files

Target Site (Latitude: 21.367 Longitude: -157.965)



Receptor



Area of Critical Environmental Concern (ACEC), Protected Open Spaces



Railroads



Black Rings Represent 1/4 Mile Radii; Red Ring Represents 500 ft. Radius

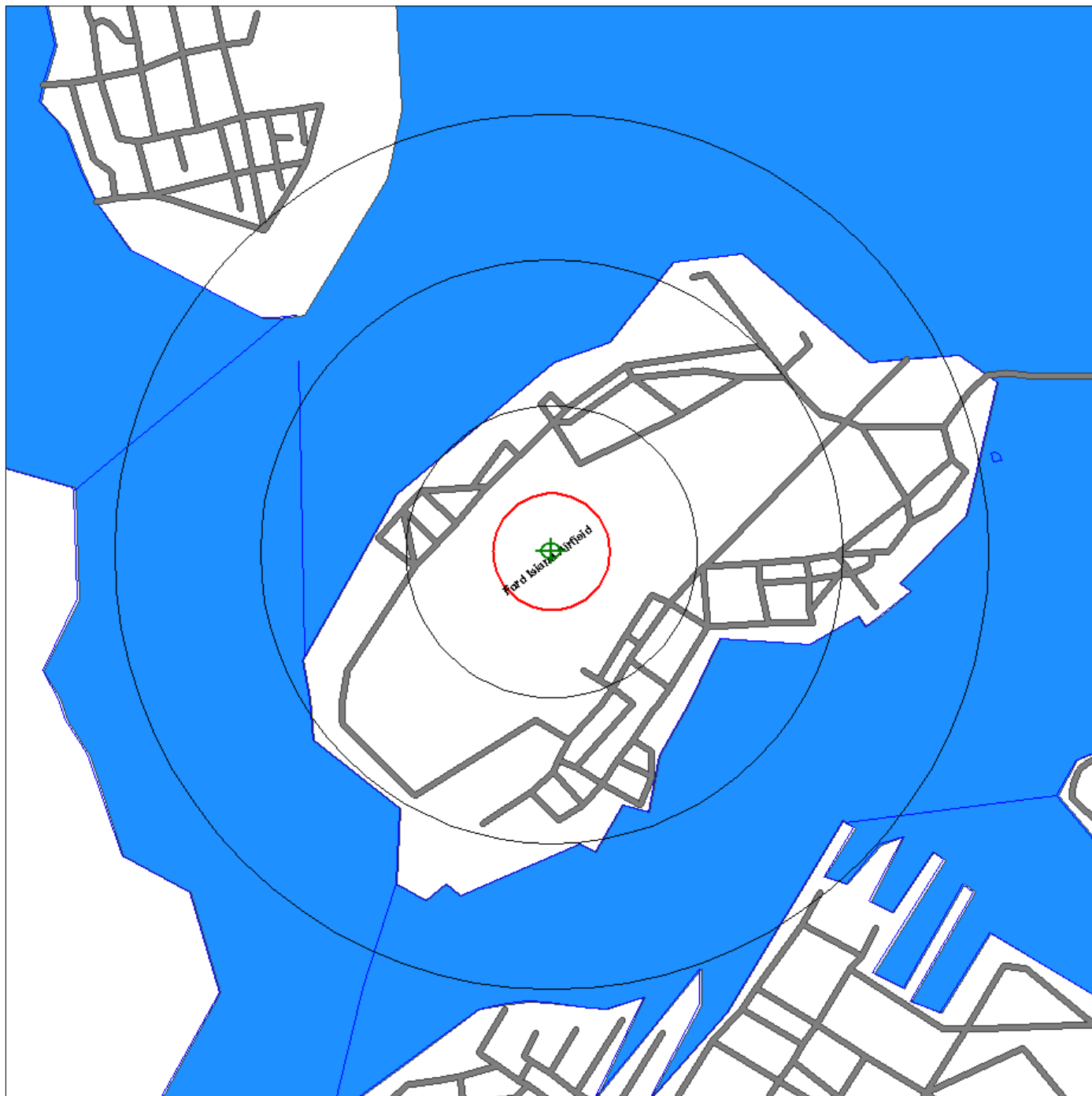


Environmental FirstSearch

.75 Mile Radius
NEPA Map: HISTORIC SITES



FORD ISLAND NAVAL FAMILY HOUSING, PEARL HARBOR HI 9681



Source: U.S. Census TIGER Files

Target Site (Latitude: 21.367 Longitude: -157.965)

Receptor

National Historic Sites and Landmark Sites

Railroads



Black Rings Represent 1/4 Mile Radii; Red Ring Represents 500 ft. Radius

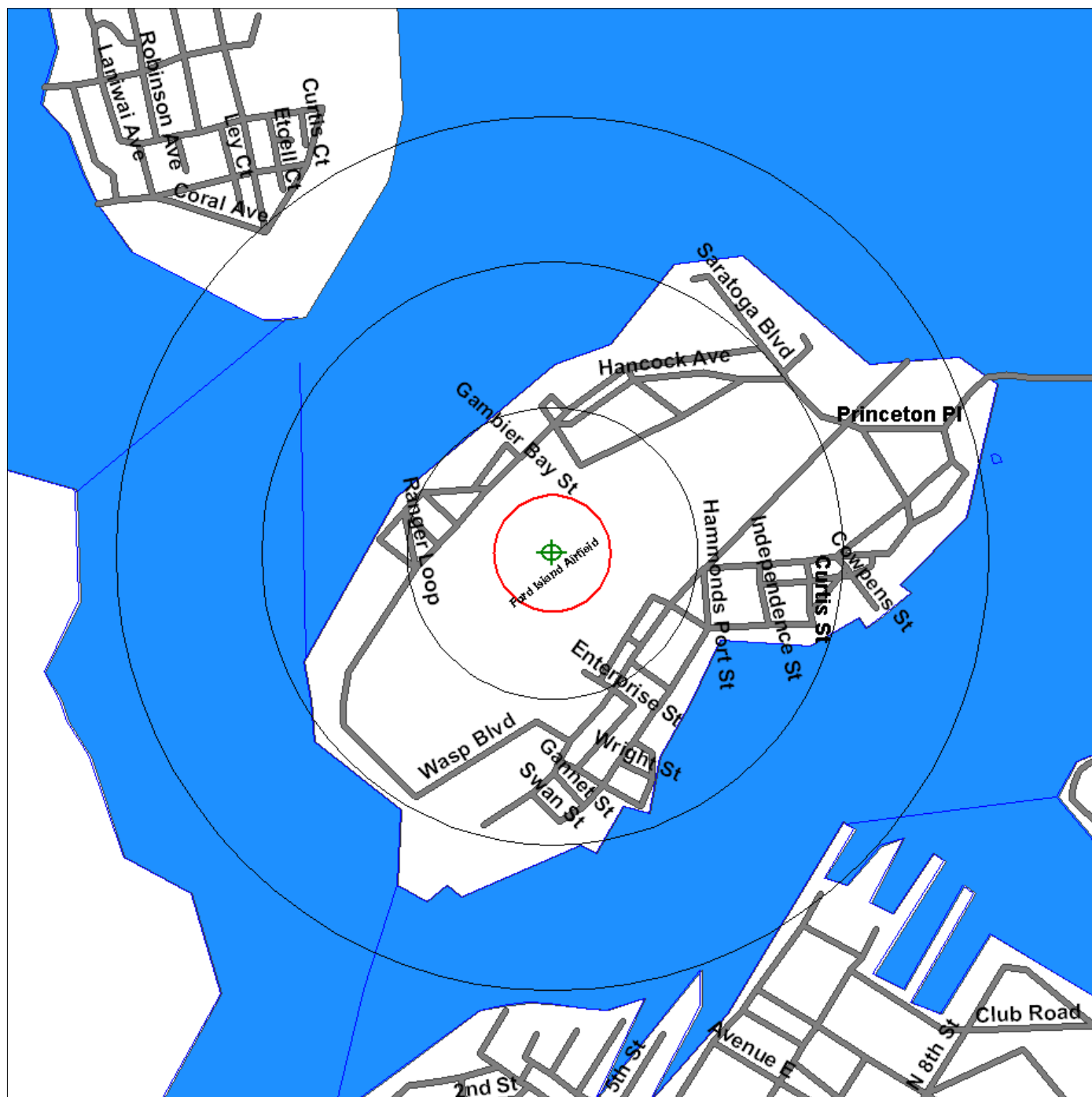


Environmental FirstSearch

.75 Mile Radius
NEPA Map: LANDUSE



FORD ISLAND NAVAL FAMILY HOUSING, PEARL HARBOR HI 9681



Source: U.S. Census TIGER Files

Target Site (Latitude: 21.367 Longitude: -157.965)

Receptor

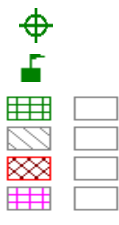
Fed. Land Use: Wilderness Areas

Fed. Land Use: Wildlife Preserves

Fed. Land Use: Amer. Indian Sacred Sites.....

Fed. Land Use: Endangered Species' Habitats.....

Railroads



Black Rings Represent 1/4 Mile Radii; Red Ring Represents 500 ft. Radius

TRACK ► INFO SERVICES, LLC

Environmental FirstSearch™ Report

TARGET PROPERTY:

PEARL HARBOR HI 96860

Job Number: 904283

PREPARED FOR:

Parsons

100 West Walnut Street

Pasadena, CA 91124

08-13-06



Tel: (866) 664-9981

Fax: (818) 249-4227

Environmental FirstSearch Search Summary Report

Target Site:

PEARL HARBOR HI 96860

FirstSearch Summary

Database	Sel	Updated	Radius	Site	1/8	1/4	1/2	1/2>	ZIP	TOTALS
NFRAP	Y	06-08-06	0.50	0	0	0	0	-	0	0
Brownfield	Y	10-18-05	0.50	0	0	0	0	-	0	0
- TOTALS -				0	0	0	0	0	0	0

Notice of Disclaimer

Due to the limitations, constraints, inaccuracies and incompleteness of government information and computer mapping data currently available to TRACK Info Services, certain conventions have been utilized in preparing the locations of all federal, state and local agency sites residing in TRACK Info Services's databases. All EPA NPL and state landfill sites are depicted by a rectangle approximating their location and size. The boundaries of the rectangles represent the eastern and western most longitudes; the northern and southern most latitudes. As such, the mapped areas may exceed the actual areas and do not represent the actual boundaries of these properties. All other sites are depicted by a point representing their approximate address location and make no attempt to represent the actual areas of the associated property. Actual boundaries and locations of individual properties can be found in the files residing at the agency responsible for such information.

Waiver of Liability

Although TRACK Info Services uses its best efforts to research the actual location of each site, TRACK Info Services does not and can not warrant the accuracy of these sites with regard to exact location and size. All authorized users of TRACK Info Services's services proceeding are signifying an understanding of TRACK Info Services's searching and mapping conventions, and agree to waive any and all liability claims associated with search and map results showing incomplete and or inaccurate site locations.

***Environmental FirstSearch
Site Information Report***

Request Date: 08-13-06
Requestor Name: (b) (6)
Standard: AAI

Search Type: COORD
Job Number: 904283

Filtered Report

TARGET ADDRESS:

PEARL HARBOR HI 96860

Demographics

Sites: 0	Non-Geocoded: 0	Population: NA
Radon: NA		

Site Location

	<u>Degrees (Decimal)</u>	<u>Degrees (Min/Sec)</u>		<u>UTMs</u>
Longitude:	-157.965	-157:57:54	Easting:	607307.199
Latitude:	21.367	21:22:1	Northing:	2362979.463
			Zone:	4

Comment

Comment:RERUN ASTM 05

Additional Requests/Services

Adjacent ZIP Codes: 1 Mile(s)

Services:

ZIP Code	City Name	ST	Dist/Dir	Sel
96782	PEARL CITY	HI	0.33 NW	Y
96797	WAIPAHU	HI	0.61 SW	Y

	Requested?	Date
Sanborns	No	
Aerial Photographs	No	
Historical Topos	No	
City Directories	No	
Title Search	No	
Municipal Reports	No	
Online Topos	No	

Environmental FirstSearch
Sites Summary Report

TARGET SITE:

PEARL HARBOR HI 96860

JOB: 904283

RERUN ASTM 05

TOTAL: 0

GEOCODED: 0

NON GEOCODED: 0

SELECTED: 0

Page No.	DB Type	Site Name/ID/Status	Address	Dist/Dir	Map ID
-----------------	----------------	----------------------------	----------------	-----------------	---------------

***Environmental FirstSearch
Site Detail Report***

TARGET SITE:

PEARL HARBOR HI 96860

JOB: 904283

RERUN ASTM 05

No sites were found!

***Environmental FirstSearch
Site Detail Report***

TARGET SITE:

PEARL HARBOR HI 96860

JOB: 904283

RERUN ASTM 05

No sites were found!

Environmental FirstSearch Database Descriptions

NFRAP: *EPA* COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITY INFORMATION SYSTEM ARCHIVED SITES - database of Archive designated CERCLA sites that, to the best of EPA's knowledge, assessment has been completed and has determined no further steps will be taken to list this site on the National Priorities List (NPL). This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

RADON: *NTIS* NATIONAL RADON DATABASE - EPA radon data from 1990-1991 national radon project collected for a variety of zip codes across the United States.

Environmental FirstSearch Database Sources

NFRAP: *EPA* Environmental Protection Agency.

Updated quarterly

RADON: *NTIS* Environmental Protection Agency, National Technical Information Services

Updated periodically

Environmental FirstSearch
Street Name Report for Streets within .25 Mile(s) of Target Property

TARGET SITE:
PEARL HARBOR HI 96860

JOB: 904283
RERUN ASTM 05

Street Name	Dist/Dir	Street Name	Dist/Dir
Avocet St	0.17 NW		
Bataan Rd	0.17 NW		
Enterprise St	0.22 SE		
Gambier Bay St	0.17 NW		
Hancock Ave	0.22 NE		
Intrepid Ave	0.19 SE		
Kingfisher St	0.19 NW		
Kittyhawk St	0.19 SE		
Lexington Blvd	0.22 SE		
Pokomoke St	0.23 SE		
Ranger Loop	0.16 NW		
San Jacinto St	0.23 SW		
Wasp Blvd	0.15 NW		
Yorktown Blvd	0.22 NE		



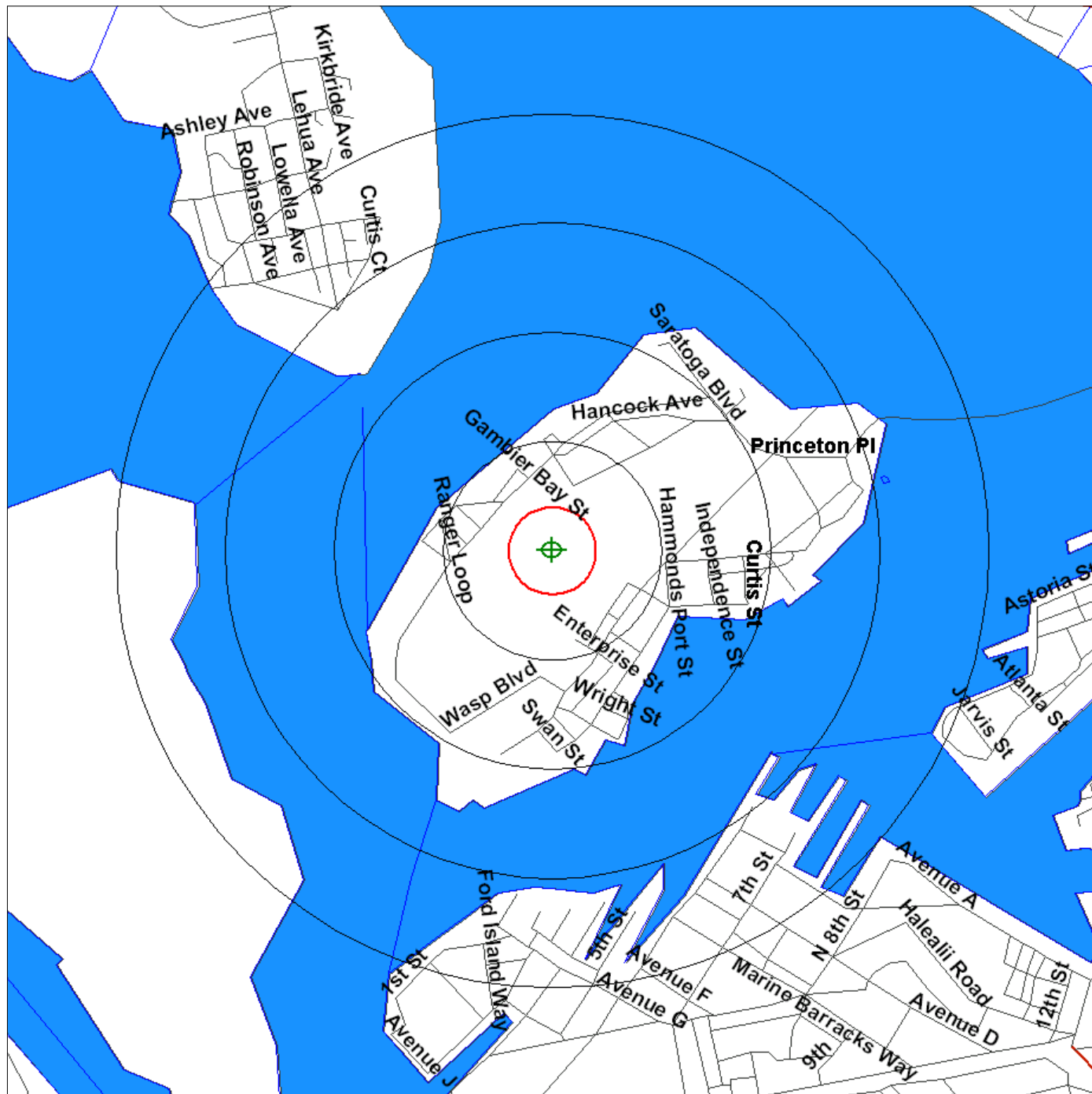
Environmental FirstSearch

1 Mile Radius

Single Map:



, PEARL HARBOR HI 96860



Source: U.S. Census TIGER Files

Target Site (Latitude: 21.367 Longitude: -157.965)

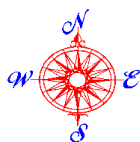
Identified Site, Multiple Sites, Receptor

NPL, Brownfield, Solid Waste Landfill (SWL) or Hazardous Waste

Railroads

Black Rings Represent 1/4 Mile Radius; Red Ring Represents 500 ft. Radius



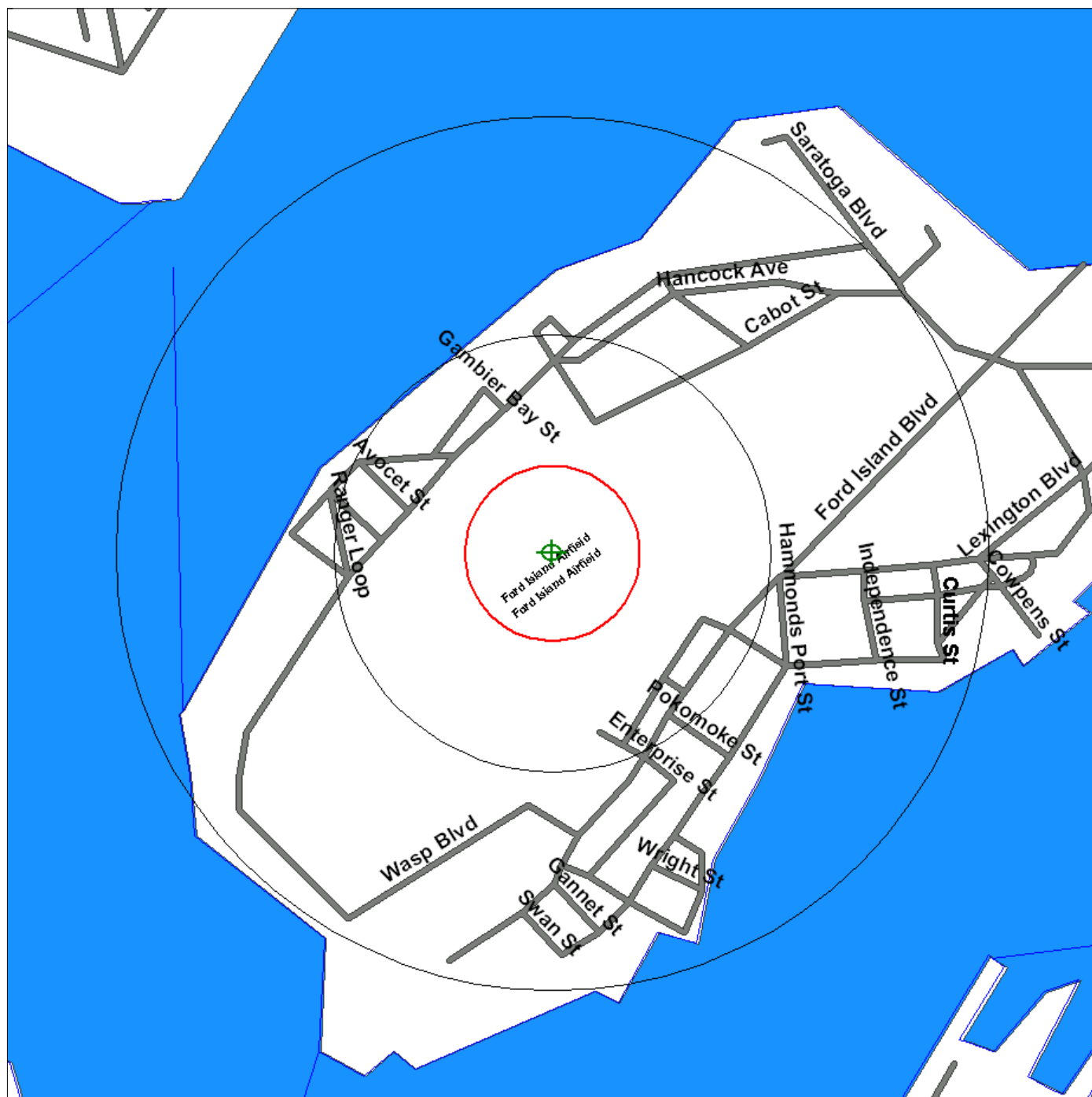


Environmental FirstSearch

.5 Mile Radius
AAI: NFRAP, BROWNFIELD



, PEARL HARBOR HI 96860



Source: U.S. Census TIGER Files

Target Site (Latitude: 21.367 Longitude: -157.965)

Identified Site, Multiple Sites, Receptor

NPL, Brownfield, Solid Waste Landfill (SWL) or Hazardous Waste

Railroads

Black Rings Represent 1/4 Mile Radius; Red Ring Represents 500 ft. Radius



Appendix B

HISTORICAL AERIAL PHOTOGRAPHS



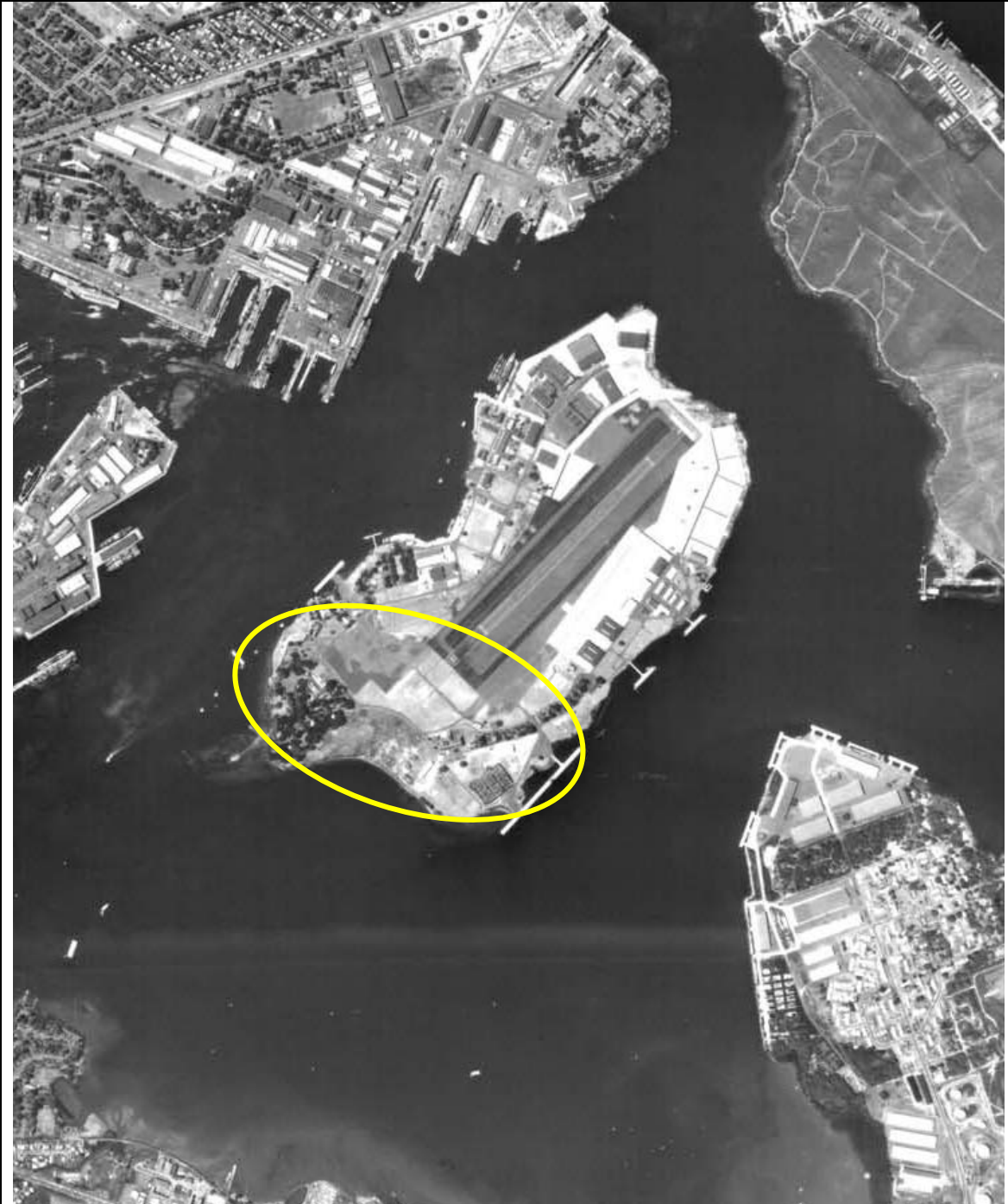
Source: Track Info Services



NORTH

NO SCALE

1952 Historical Aerial Photograph
Ford Island Naval Family Housing



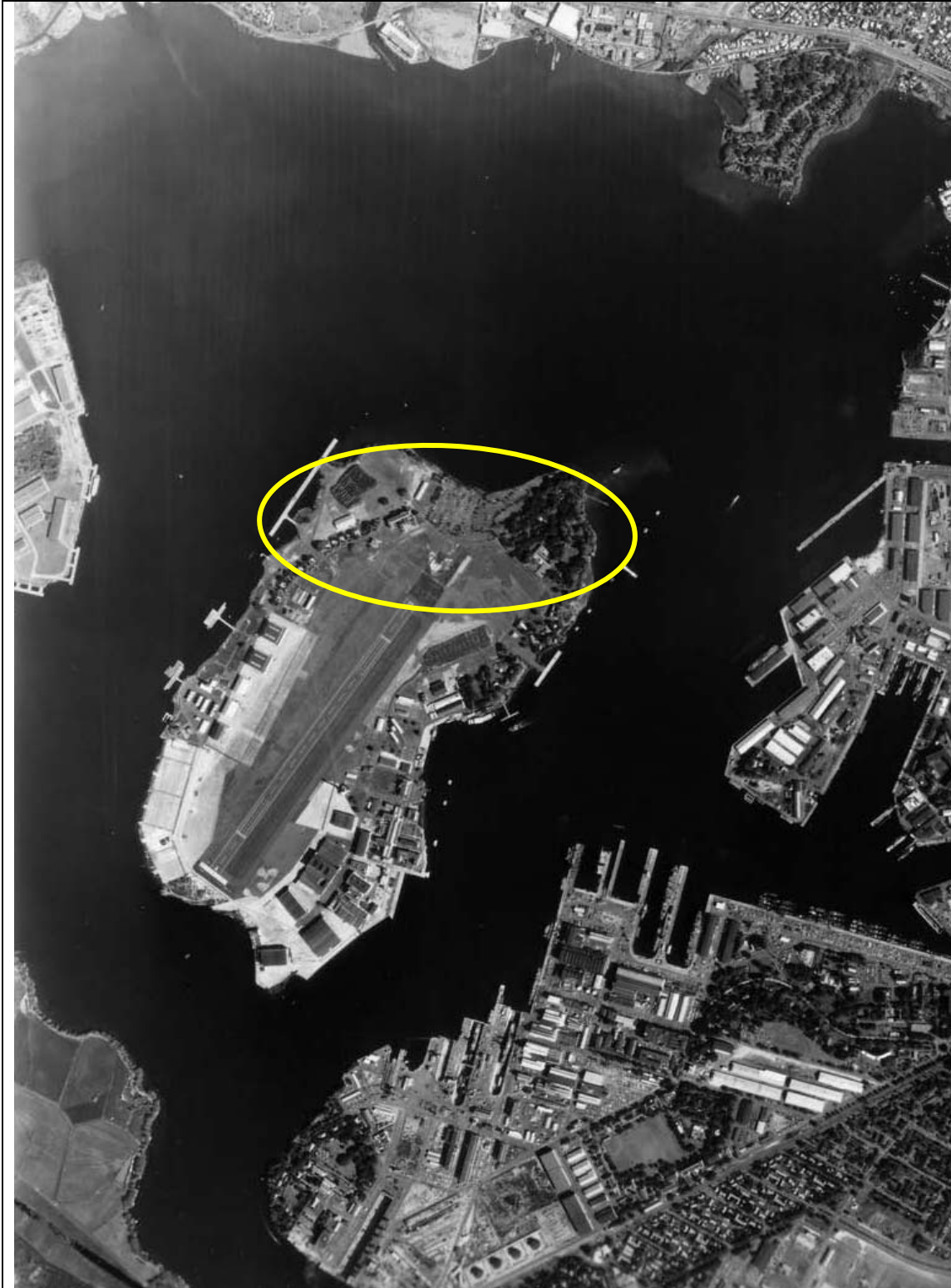
Source: *Track Info Services*



NORTH

NO SCALE

1967 Historical Aerial Photograph
Ford Island Naval Family Housing



Source: Track Info Services



NORTH

NO SCALE

1973 Historical Aerial Photograph
Ford Island Naval Family Housing

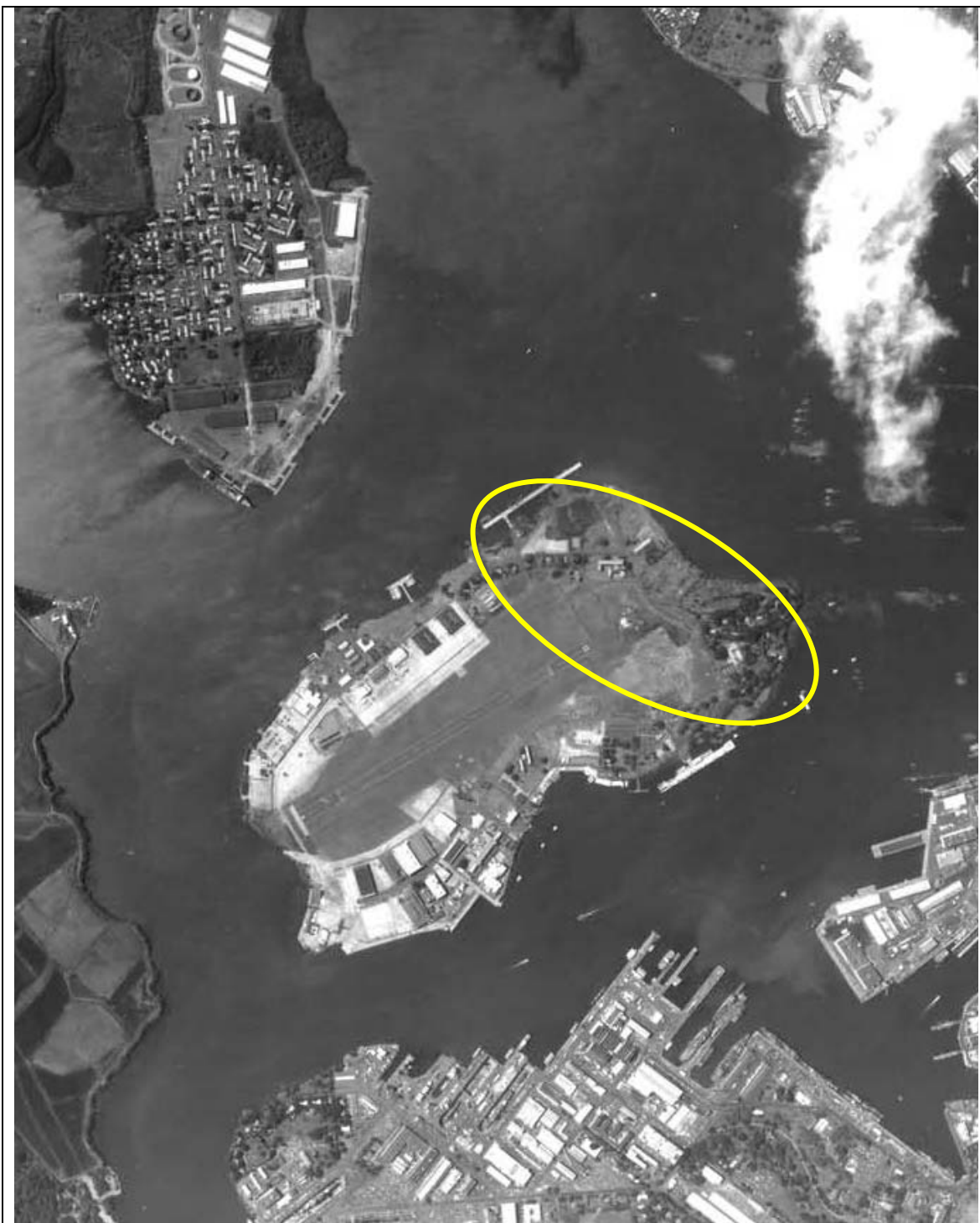


Source: Track Info Services



NO SCALE

1982 Historical Aerial Photograph
Ford Island Naval Family Housing



Source: Track Info Services



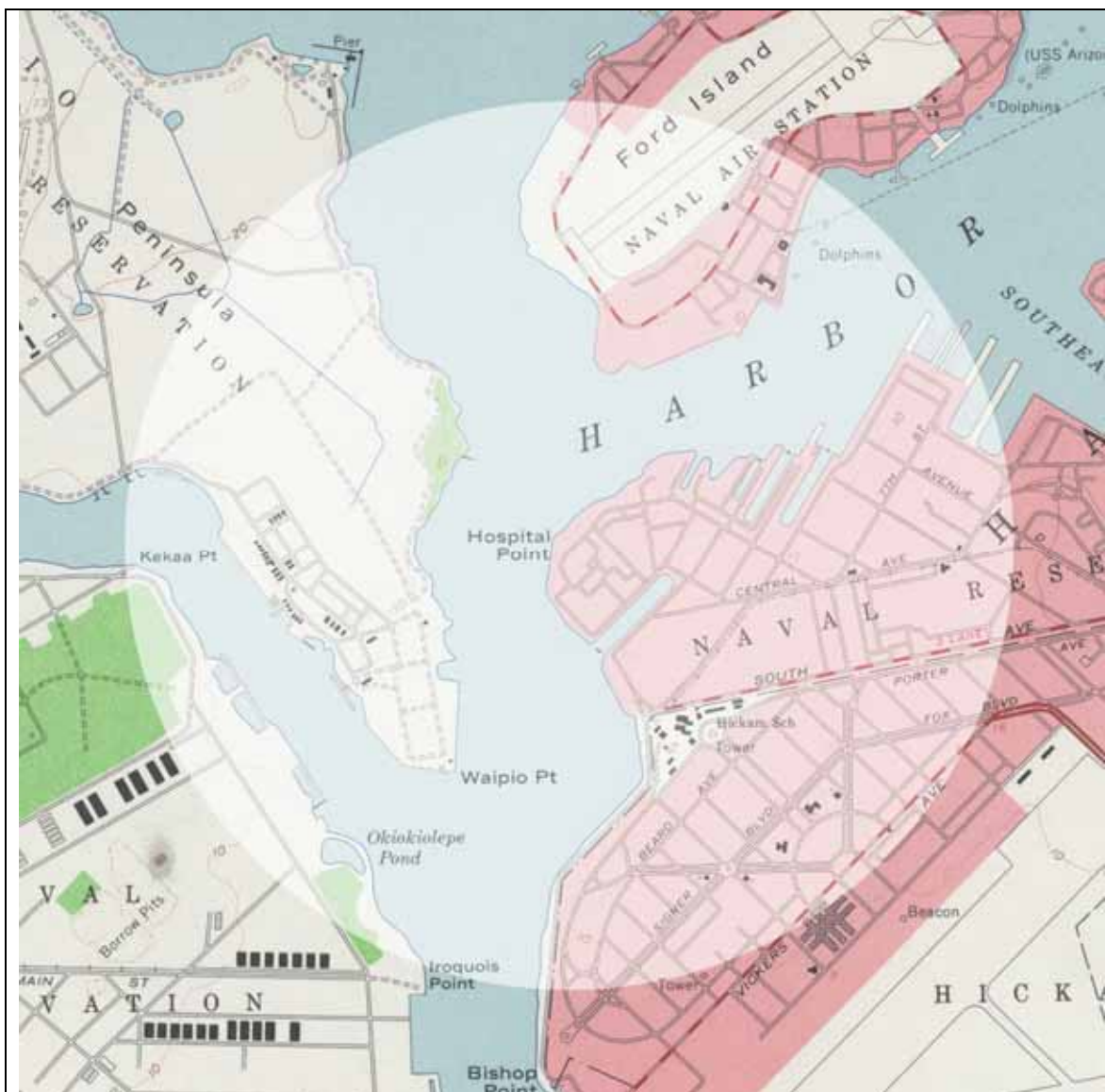
NORTH

NO SCALE

1994 Historical Aerial Photograph
Ford Island Naval Family Housing

Appendix C

HISTORICAL TOPOGRAPHICAL MAPS



Source: USGS Puuloa, Hawaii Quadrangle, 7.5 Minute Series, 1959 (modified)

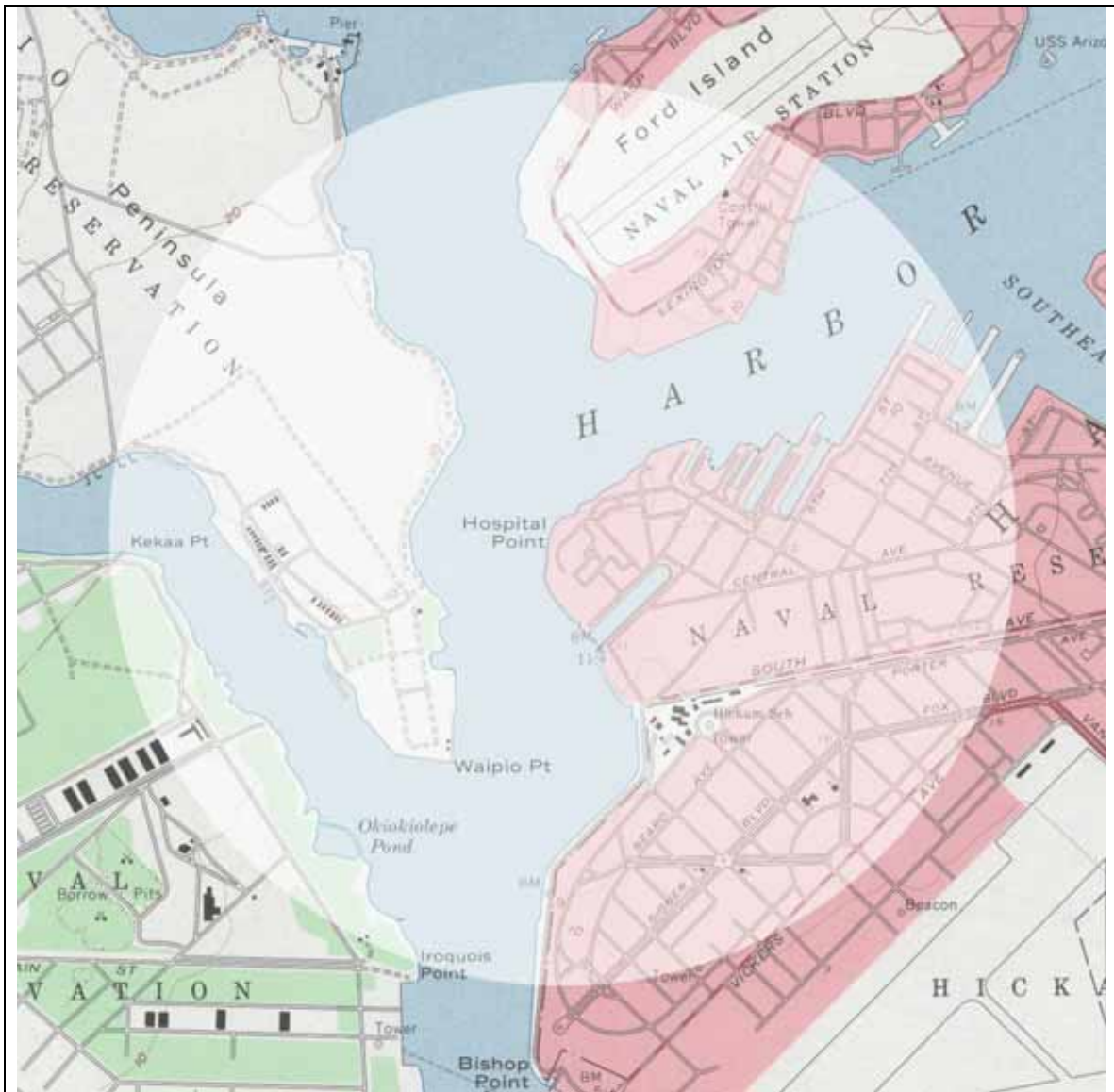


NORTH



1 inch = 1667 feet
SCALE

1959 Historical Topographic Map
Proposed Ford Island
Naval Family Housing



Source: USGS Puuloa, Hawaii Quadrangle, 7.5 Minute Series, 1968 (modified)

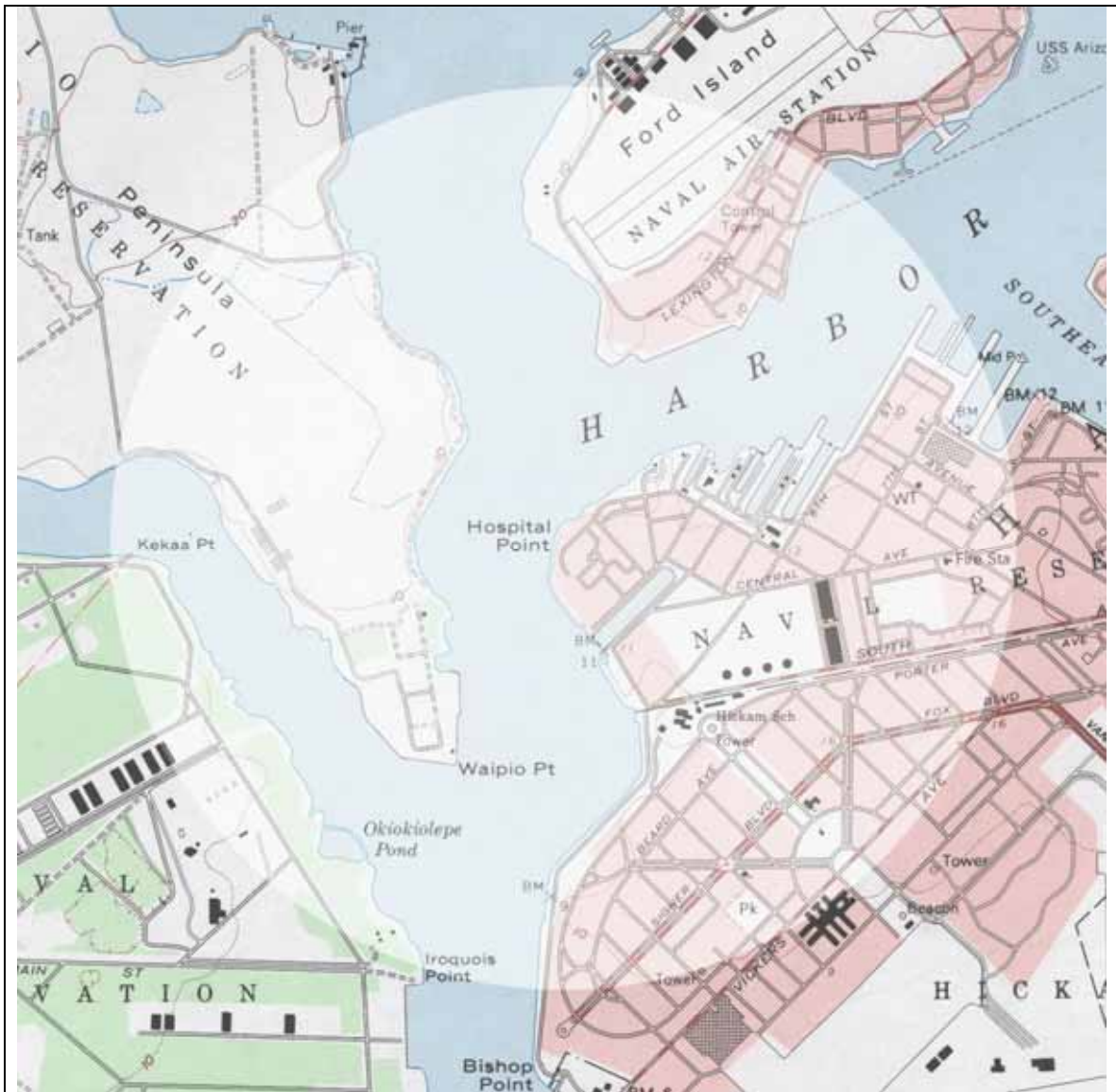


NORTH



1 inch = 1670 feet
SCALE

1968 Historical Topographic Map
Proposed Ford Island
Naval Family Housing



Source: USGS Pearl Harbor, Hawaii Quadrangle, 7.5 Minute Series, 1983 (modified)

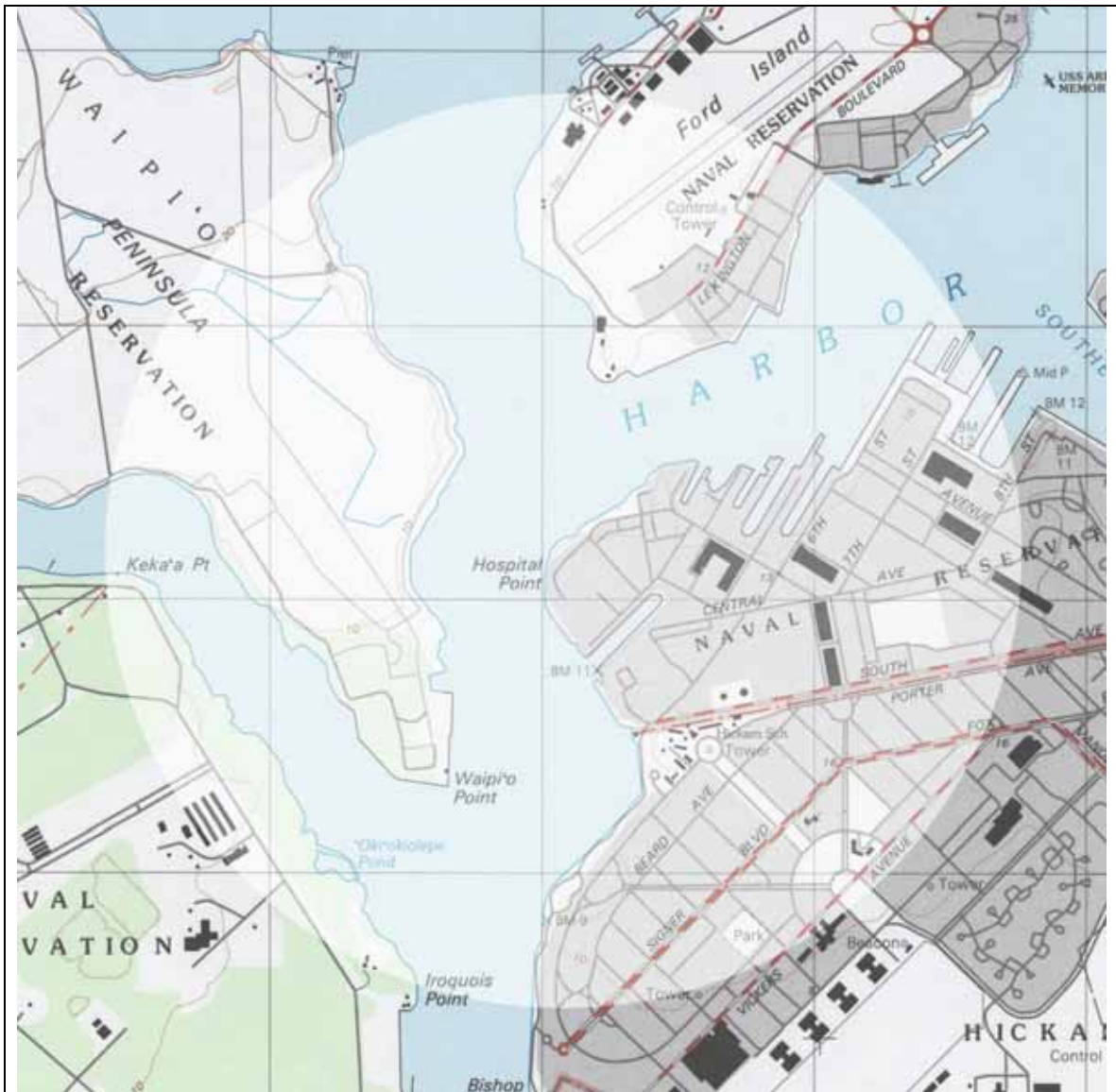


NORTH



1 inch = 1670 feet
SCALE

1983 Historical Topographic Map
Proposed Ford Island
Naval Family Housing



Source: USGS Pearl Harbor, Hawaii Quadrangle, 7.5 Minute Series, 1999 (modified)



NORTH



1 inch = 1653 feet
SCALE

1999 Historical Topographic Map
Proposed Ford Island
Naval Family Housing

TRACK ► INFO SERVICES, LLC

Environmental FirstSearch™ Report

Target Property:

FORD ISLAND NAVAL FAMILY HOUSING

HONOLULU HI 96844

Job Number: 904283

PREPARED FOR:

Parsons Engineering
100 West Walnut Street
Pasadena, CA 91124

07-23-07



Tel: (866) 664-9981

Fax: (818) 249-4227

Environmental FirstSearch Search Summary Report

Target Site: FORD ISLAND NAVAL FAMILY HOUSING
HONOLULU HI 96844

FirstSearch Summary

Database	Sel	Updated	Radius	Site	1/8	1/4	1/2	1/2>	ZIP	TOTALS
NPL	Y	05-08-07	1.00	0	0	0	0	0	0	0
NPL Delisted	Y	03-08-07	0.50	0	0	0	0	-	0	0
CERCLIS	Y	05-08-07	0.50	0	0	0	0	-	0	0
NFRAP	Y	05-08-07	0.25	0	0	0	-	-	0	0
RCRA COR ACT	Y	06-06-06	1.00	0	0	0	0	0	0	0
RCRA TSD	Y	06-06-06	0.50	0	0	0	0	-	0	0
RCRA GEN	Y	06-06-06	0.25	0	0	0	-	-	2	2
RCRA NLR	Y	06-06-06	0.12	0	0	-	-	-	1	1
Federal IC / EC	Y	04-16-07	0.25	0	0	0	-	-	0	0
ERNS	Y	12-31-06	0.12	0	0	-	-	-	1	1
Tribal Lands	Y	12-01-05	1.00	0	0	0	0	0	0	0
State/Tribal Sites	Y	07-24-06	1.00	0	0	0	0	0	0	0
State/Tribal SWL	Y	NA	0.50	0	0	0	0	-	0	0
State/Tribal LUST	Y	07-28-06	0.50	0	0	0	0	-	2	2
State/Tribal UST/AST	Y	08-04-06	0.25	0	0	0	-	-	4	4
State/Tribal EC	Y	NA	0.25	0	0	0	-	-	0	0
State/Tribal IC	Y	07-24-06	0.25	0	0	0	-	-	0	0
State/Tribal VCP	Y	07-24-06	0.50	0	0	0	0	-	0	0
State/Tribal Brownfields	Y	07-24-06	0.50	0	0	0	0	-	0	0
State Wells	Y	NA	0.50	0	0	0	0	-	0	0
Aquifers	Y	NA	0.50	0	0	0	0	-	0	0
State ACEC	Y	NA	0.50	0	0	0	0	-	0	0
Wetlands	Y	NA	0.50	1	0	0	0	-	0	1
Floodplains	Y	NA	0.50	0	0	0	0	-	0	0
Receptors	Y	01-01-05	0.50	0	0	0	1	-	0	1
Historic Landmarks	Y	11-17-05	0.50	0	0	0	0	-	2	2
Federal Land Use	Y	08-01-06	0.50	1	1	0	0	-	0	2
Federal Wells	Y	12-28-06	0.50	0	0	2	0	-	0	2
USGS Soils	Y	03-18-97	0.25	0	0	0	-	-	0	0

Notice of Disclaimer

Due to the limitations, constraints, inaccuracies and incompleteness of government information and computer mapping data currently available to TRACK Info Services, certain conventions have been utilized in preparing the locations of all federal, state and local agency sites residing in TRACK Info Services's databases. All EPA NPL and state landfill sites are depicted by a rectangle approximating their location and size. The boundaries of the rectangles represent the eastern and western most longitudes; the northern and southern most latitudes. As such, the mapped areas may exceed the actual areas and do not represent the actual boundaries of these properties. All other sites are depicted by a point representing their approximate address location and make no attempt to represent the actual areas of the associated property. Actual boundaries and locations of individual properties can be found in the files residing at the agency responsible for such information.

Waiver of Liability

Although TRACK Info Services uses its best efforts to research the actual location of each site, TRACK Info Services does not and can not warrant the accuracy of these sites with regard to exact location and size. All authorized users of TRACK Info Services's services proceeding are signifying an understanding of TRACK Info Services's searching and mapping conventions, and agree to waive any and all liability claims associated with search and map results showing incomplete and or inaccurate site locations.

- Continued on next page -

Environmental FirstSearch

Search Summary Report

Target Site: FORD ISLAND NAVAL FAMILY HOUSING
HONOLULU HI 96844

FirstSearch Summary

Database	Sel	Updated	Radius	Site	1/8	1/4	1/2	1/2>	ZIP	TOTALS
NPDES	Y	12-15-06	0.25	0	0	0	-	-	0	0
FINDS	Y	11-01-06	0.25	0	0	0	-	-	2	2
TRIS	Y	11-10-06	0.25	0	0	0	-	-	0	0
HMIRS	Y	04-16-07	0.50	0	0	0	0	-	0	0
NCDB	Y	09-22-06	0.25	0	0	0	-	-	2	2
PADS	Y	04-12-07	0.25	0	0	0	-	-	0	0
Nuclear Permits	Y	NA	0.50	0	0	0	0	-	0	0
Releases	Y	12-31-06	0.25	0	0	0	-	-	1	1
State Permits	Y	NA	0.25	0	0	0	-	-	0	0
State Other	Y	01-01-07	0.25	0	0	0	-	-	0	0
- TOTALS -				2	1	2	1	0	17	23

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Due to the limitations, constraints, inaccuracies and incompleteness of government information and computer mapping data currently available to TRACK Info Services, certain conventions have been utilized in preparing the locations of all federal, state and local agency sites residing in TRACK Info Services's databases. All EPA NPL and state landfill sites are depicted by a rectangle approximating their location and size. The boundaries of the rectangles represent the eastern and western most longitudes; the northern and southern most latitudes. As such, the mapped areas may exceed the actual areas and do not represent the actual boundaries of these properties. All other sites are depicted by a point representing their approximate address location and make no attempt to represent the actual areas of the associated property. Actual boundaries and locations of individual properties can be found in the files residing at the agency responsible for such information.

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***Environmental FirstSearch
Site Information Report***

Request Date: 07-23-07
Requestor Name: Parsons Engineering
Standard: ASTM-05 PARSONS

Search Type: AREA
0.02 sq mile(s)
Job Number: 904283
Filtered Report

Target Site: FORD ISLAND NAVAL FAMILY HOUSING
HONOLULU HI 96844

Demographics

Sites: 23	Non-Geocoded: 17	Population: NA
Radon: NA		

Site Location

	<u>Degrees (Decimal)</u>	<u>Degrees (Min/Sec)</u>	<u>UTMs</u>
Longitude:	-157.968886	-157:58:8	Easting: 606914.581
Latitude:	21.352793	21:21:10	Northing: 2361404.31
			Zone: 4

Comment

Comment:

Additional Requests/Services

Adjacent ZIP Codes: 1 Mile(s)

Services:

ZIP		ST	Dist/Dir	Sel
Code	City Name			
96706	EWA BEACH	HI	0.70 SW	Y
96797	WAIPAHU	HI	0.02 NW	Y
96818	HONOLULU	HI	0.20 SE	Y
96860	PEARL HARBOR	HI	0.07 NE	Y

	Requested?	Date
Sanborns	No	
Aerial Photographs	No	
Historical Topos	No	
City Directories	No	
Title Search/Env Liens	No	
Municipal Reports	No	
Online Topos	No	

***Environmental FirstSearch
Sites Summary Report***

Target Property: FORD ISLAND NAVAL FAMILY HOUSING **JOB:** 904283
HONOLULU HI 96844

TOTAL: 23 **GEOCODED:** 6 **NON GEOCODED:** 17 **SELECTED:** 23

Page No.	DB Type	Site Name/ID/Status	Address	Dist/Dir	Map ID
1	LANDUSE	NAVY DOD PEARL HARBOR NAVAL STATIO 45982	HI	0.00 --	1
1	WETLANDS	NATIONAL WETLANDS INVENTORY NWI-HI-1666/E1OWL	HI	0.00 --	2
2	LANDUSE	NAVY DOD PEARL HARBOR NAVAL STATIO 45975	HI	0.12 NE	3
3	FEDWELLS	3-2158-02 W227 WAIPI FW-HI-1352/USGS GROUNDWATER INV	HI	0.21 NW	4
4	FEDWELLS	3-2158-01 W226 WAIPI FW-HI-1353/USGS GROUNDWATER INV	HI	0.23 NW	5
5	SCHOOL	HICKAM SCHOOL HI-31985	HI	0.45 SE	6

Environmental FirstSearch

Sites Summary Report

Target Property: FORD ISLAND NAVAL FAMILY HOUSING **JOB:** 904283
HONOLULU HI 96844

TOTAL: 23 **GEOCODED:** 6 **NON GEOCODED:** 17 **SELECTED:** 23

Page No.	DB Type	Site Name/ID/Status	Address	Dist/Dir	Map ID
6	ERNS	USN - NS PEARL HARBOR 321640/FIXED FACILITY	BLDG NO. 3 FORD ISLAND, NAV PEARL HARBOR HI 96860	NON GC	
7	FINDS	SPECIAL PROJECT R34-03 REPAIRS 110024878202/FRS	FORD ISLAND, WHARF F12-F13 PEARL HARBOR HI 96860	NON GC	
8	FINDS	3 FORD ISLAND, NAVAL STATION, PEAR 110027170754/FRS	3 FORD ISLAND PEARL HARBOR HI 96860	NON GC	
9	HISTSITES	USS ARIZONA WRECK 89001083/STRUCTURE	OFF FORD ISLAND, PEARL HARB HONOLULU HI	NON GC	
10	HISTSITES	USS UTAH WRECK 89001084/STRUCTURE	OFF FORD ISLAND, PEARL HARB HONOLULU HI	NON GC	
11	LUST	LIFT STATION FI-047 9-103808	RANGER LOOP ON FORD ISLAND PEARL HARBOR HI 96860	NON GC	
11	LUST	NAVAL OCEAN PROCESSING FACILITY 9-100990	BOX 1395, FORD ISLAND, NS 7 PEARL HARBOR HI 96860	NON GC	
12	NCDB	SUBMARINE TRNG CENTER, BLDG 39-2ND NCDB-0603-003620/TSCA	FORD ISLAND, PEARL HARBOR PEARL HARBOR HI 96860	NON GC	
13	NCDB	USS MISSOURI NCDB-0801-071260/TSCA	PIER F-5 FORD ISLAND HONOLULU HI 96818	NON GC	
15	RCRAGN	SEAL DELIVERY VEHICLE TEAM ONE HIR000064493/SGN	FORD ISLAND BLDG 130 PEARL HARBOR HI 96860	NON GC	
16	RCRAGN	NAVY PWC - FORD ISLAND HI0000449199/LGN	FORD ISLAND PEARL HARBOR HI 96818	NON GC	
18	RCRANLR	SEAL DELIVERY VEHICLE TEAM ONE HIR000064493/NLR	FORD ISLAND BLDG 130 PEARL HARBOR HI 96860	NON GC	
19	RELEASES	USN - NAVSTA PEARL HARBOR 494836/FIXED FACILITY	FORD ISLAND BLDG 44 PEARL HARBOR HI 96860	NON GC	
20	UST	NAVAL SUBMARINE TRAINING CTR PAC 9-100969/CURRENTLY IN USE	FORD ISLAND SCHOOL FACILITI PEARL HARBOR HI 96860	NON GC	
21	UST	LIFT STATION FI-047 9-103808/CURRENTLY IN USE	RANGER LOOP ON FORD ISLAND PEARL HARBOR HI 96860	NON GC	
22	UST	NAVAL OCEAN PROCESSING FACILITY 9-100990/PERMANENTLY OUT OF U	BOX 1395, FORD ISLAND, NS 7 PEARL HARBOR HI 96860	NON GC	
23	UST	NAVAL AIR STATION - FORD ISLAND 9-102630/PERMANENTLY OUT OF U	FORD ISLAND, BLDG 88 TANK 6 PEARL HARBOR HI 96860	NON GC	

Target Property: FORD ISLAND NAVAL FAMILY HOUSING
HONOLULU HI 96844

WETLANDS			
SEARCH ID:	1	DIST/DIR:	0.00 --
		MAP ID:	2
NAME:	NATIONAL WETLANDS INVENTORY	REV:	2/27/02
ADDRESS:	HI	ID1:	NWI-HI-1666
		ID2:	
CONTACT:		STATUS:	E1OWL
		PHONE:	
<u>SITE INFORMATION</u>			
AREA:	12849569.07		
PERIMETER:	67262.89		
WETC:	6		
WETC_ID:	22		
ATTRIBUTE:	E1OWL		

***Environmental FirstSearch
Site Detail Report***

Target Property: FORD ISLAND NAVAL FAMILY HOUSING
HONOLULU HI 96844

JOB: 904283

LANDUSE

SEARCH ID: 2	DIST/DIR: 0.12 NE	MAP ID: 3
---------------------	--------------------------	------------------

NAME: NAVY DOD PEARL HARBOR NAVAL STATION	REV: 1/27/05
ADDRESS: HI	ID1: 45975
	ID2:
CONTACT:	STATUS:
	PHONE:

FEDERAL LAND INFORMATION

NAME:	PEARL HARBOR NAVAL STATION
FEATURE:	NAVY DOD
ADMINISTERING AGENCY:	DOD
STATE FIPS:	15
AREA:	0.001
PERIMETER:	0.152

***Environmental FirstSearch
Site Detail Report***

Target Property: FORD ISLAND NAVAL FAMILY HOUSING
HONOLULU HI 96844

JOB: 904283

FEDWELLS

SEARCH ID: 5 **DIST/DIR:** 0.21 NW **MAP ID:** 4

NAME: 3-2158-02 W227 WAIPI	REV: 12/28/06
ADDRESS: HI	ID1: FW-HI-1352
HONOLULU COUNTY HI	ID2: 212130157583201
CONTACT:	STATUS: USGS GROUNDWATER INV
	PHONE:

SITE INFORMATION

AGENCY:	US GEOLOGICAL SURVEY
SITE ID:	212130157583201
SITE NAME:	3-2158-02 W227 WAIPI
SITE TYPE :	GROUND-WATER OTHER THAN SPRING
COUNTY :	HONOLULU
COUNTRY :	US
LAND NET LOCATION DESC:	
LOCATION MAP:	10 PUULOA
LOCATION MAP SCALE:	24000
GAGE/LAND SURFACE ALTITUDE:	14.00
METHOD ALTITUDE DETERMINED:	M
ALTITUDE ACCURACY:	2
ALTITUDE DATUM:	HILOCAL
HYDROLOGIC UNIT :	OAHU
TOPOGRAPHIC SETTING :	
DATE OF FIRST CONSTRUCTION:	//
DATE SITE ESTABLISHED:	//
MEAN GREENWICH TIME OFFSET:	HST
LOCAL STANDARD TIME FLAG:	N
TYPE OF GROUNDWATER SITE:	W
PRIMARY AQUIFER :	
AQUIFER TYPE :	
WELL_DEPTH VA:	629
HOLE DEPTH:	
DEPTH DATA SOURCE:	
PROJECT NUMBER:	

***Environmental FirstSearch
Site Detail Report***

Target Property: FORD ISLAND NAVAL FAMILY HOUSING
HONOLULU HI 96844

JOB: 904283

FEDWELLS

SEARCH ID: 4 **DIST/DIR:** 0.23 NW **MAP ID:** 5

NAME: 3-2158-01 W226 WAIPI	REV: 12/28/06
ADDRESS: HI	ID1: FW-HI-1353
HONOLULU COUNTY HI	ID2: 212131157583201
CONTACT:	STATUS: USGS GROUNDWATER INV
	PHONE:

SITE INFORMATION

AGENCY:	US GEOLOGICAL SURVEY
SITE ID:	212131157583201
SITE NAME:	3-2158-01 W226 WAIPI
SITE TYPE :	GROUND-WATER OTHER THAN SPRING
COUNTY :	HONOLULU
COUNTRY :	US
LAND NET LOCATION DESC:	
LOCATION MAP:	10 PUULOA
LOCATION MAP SCALE:	24000
GAGE/LAND SURFACE ALTITUDE:	15.00
METHOD ALTITUDE DETERMINED:	M
ALTITUDE ACCURACY:	.5
ALTITUDE DATUM:	HILOCAL
HYDROLOGIC UNIT :	OAHU
TOPOGRAPHIC SETTING :	FLAT SURFACE
DATE OF FIRST CONSTRUCTION:	//
DATE SITE ESTABLISHED:	//
MEAN GREENWICH TIME OFFSET:	HST
LOCAL STANDARD TIME FLAG:	N
TYPE OF GROUNDWATER SITE:	W
PRIMARY AQUIFER :	
AQUIFER TYPE :	
WELL_DEPTH VA:	106
HOLE DEPTH:	
DEPTH DATA SOURCE:	
PROJECT NUMBER:	

***Environmental FirstSearch
Site Detail Report***

Target Property: FORD ISLAND NAVAL FAMILY HOUSING
HONOLULU HI 96844

JOB: 904283

SCHOOL																			
<table style="width: 100%;"><tr><td style="width: 33%;">SEARCH ID: 6</td><td style="width: 33%;">DIST/DIR: 0.45 SE</td><td style="width: 33%;">MAP ID: 6</td></tr><tr><td><table style="width: 100%;"><tr><td style="width: 50%;">NAME: HICKAM SCHOOL</td><td style="width: 50%;">REV: 1/1/05</td></tr><tr><td>ADDRESS: HI</td><td>ID1: HI-31985</td></tr><tr><td>HONOLULU</td><td>ID2:</td></tr><tr><td>CONTACT:</td><td>STATUS:</td></tr><tr><td></td><td>PHONE:</td></tr></table></td><td colspan="2"></td></tr><tr><td colspan="3" style="text-align: center;">DETAILS NOT AVAILABLE</td></tr></table>	SEARCH ID: 6	DIST/DIR: 0.45 SE	MAP ID: 6	<table style="width: 100%;"><tr><td style="width: 50%;">NAME: HICKAM SCHOOL</td><td style="width: 50%;">REV: 1/1/05</td></tr><tr><td>ADDRESS: HI</td><td>ID1: HI-31985</td></tr><tr><td>HONOLULU</td><td>ID2:</td></tr><tr><td>CONTACT:</td><td>STATUS:</td></tr><tr><td></td><td>PHONE:</td></tr></table>	NAME: HICKAM SCHOOL	REV: 1/1/05	ADDRESS: HI	ID1: HI-31985	HONOLULU	ID2:	CONTACT:	STATUS:		PHONE:			DETAILS NOT AVAILABLE		
SEARCH ID: 6	DIST/DIR: 0.45 SE	MAP ID: 6																	
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NAME: HICKAM SCHOOL	REV: 1/1/05																		
ADDRESS: HI	ID1: HI-31985																		
HONOLULU	ID2:																		
CONTACT:	STATUS:																		
	PHONE:																		
DETAILS NOT AVAILABLE																			

Environmental FirstSearch
Site Detail Report

Target Property: FORD ISLAND NAVAL FAMILY HOUSING
HONOLULU HI 96844

JOB: 904283

ERNS

SEARCH ID: 10

DIST/DIR: NON GC

MAP ID:

NAME: USN - NS PEARL HARBOR
ADDRESS: BLDG NO. 3 FORD ISLAND, NAVAL STATION PEARL HARBOR
PEARL HARBOR HI 96860

REV: 4/8/93
ID1: 321640
ID2:
STATUS: FIXED FACILITY
PHONE:

CONTACT:

SPILL INFORMATION

DATE OF SPILL: 4/8/1993 **TIME OF SPILL:** 1100

PRODUCT RELEASED (1): ASBESTOS
QUANTITY (1): 50
UNITS (1): LBS

PRODUCT RELEASED (2):
QUANTITY (2):
UNITS (2):

PRODUCT RELEASED (3):
QUANTITY (3):
UNITS (3):

MEDIUM/MEDIA AFFECTED

AIR:	NO	GROUNDWATER:	NO
LAND:	NO	FIXED FACILITY:	YES
WATER:	NO	OTHER:	NO
WATERBODY AFFECTED BY RELEASE:			

CAUSE OF RELEASE

DUMPING:	NO	EQUIPMENT FAILURE:	NO
NATURAL PHENOMENON:	NO	OPERATOR ERROR:	NO
OTHER CAUSE:	YES	TRANSP. ACCIDENT:	NO
UNKNOWN:	NO		

ACTIONS TAKEN: THE BUILDING AND DUMPSTER HAS BEEN SEALED

RELEASE DETECTION: ASBESTOS WAS DISCOVERED IN MATERIAL FROM FLOOR TILES **

MISC. NOTES: ** FROM FLOOR TILES THAT HAS BEEN REMOVED DURING RENOVATION.

DISCHARGER INFORMATION

DISCHARGER ID: 321640
TYPE OF DISCHARGER: FEDERAL GOVERNMENT
NAME OF DISCHARGER: USN - NS PEARL HARBOR
ADDRESS: POB 21
PEARL HARBOR HI 96860

DUN and BRADSTREET :

Environmental FirstSearch

Site Detail Report

Target Property: FORD ISLAND NAVAL FAMILY HOUSING
HONOLULU HI 96844

JOB: 904283

FINDS

SEARCH ID: 12 **DIST/DIR:** NON GC **MAP ID:**

NAME: SPECIAL PROJECT R34-03 REPAIRS ADDRESS: FORD ISLAND, WHARF F12-F13 PEARL HARBOR HI 96860 HONOLULU CONTACT:	REV: 11/1/06 ID1: 110024878202 ID2: STATUS: FRS PHONE:
---	---

FACILITY REGISTRATION INFORMATION:

PROGRAM: PCS PROVIDED BY: FEDERAL AGENCY AGENCY INT QUAL: INT END QUAL: LAST REPORTED: ENFORCEMENT ACT: REG PROGRAM: NPDES NON-MAJOR - A CLEAN WATER ACT (CWA) NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) NON-MAJOR DISCHARGER OF POLLUTANTS INTO WATERS OF THE UNITED STATES.	PROGRAM ID: HIF001696 AGENCY INTERESTED: INTEREST ENDED: SOURCE OF DATA: NPDES PERMIT LAST EXTRACTED: 6/23/2006 8:07:53 PM
---	---

PROGRAM: FRS PROVIDED BY: FEDERAL AGENCY AGENCY INT QUAL: INT END QUAL: LAST REPORTED: 6/23/2006 8:07:53 PM ENFORCEMENT ACT: REG PROGRAM: FACILITY -	PROGRAM ID: 110024878202 AGENCY INTERESTED: 6/23/2006 8:07:52 PM INTEREST ENDED: SOURCE OF DATA: PCS LAST EXTRACTED:
---	---

SITE TYPE: STATIONARY
INTEREST STATUS: ACTIVE
DATA QUALITY: V
LOCATION DESC:
ADDRESS TYPE: IRREGULAR
LAST REPORTED:
POSTED TO DATABASE: 6/23/2006 8:07:53 PM
DATA UPDATED: 6/24/2006 2:08:21 PM
ENTERED PERSON/METHOD: ESZ
PARENT REG ID:
CONFIDENCE IN ADDR:
ENFORCEMENT SENSITIVE: N
REQ MANUAL REVIEW:
REASON MAN REVIEW:
SMALL BUS POLICY:
ENFORCEMENT ACTION:
DATA PUB ACCESS: YES
INTERNAL SYS ID:

FEDERAL FACILITY: NO
FEDERAL AGENCY:
TRIBAL LAND: NO
TRIBAL LAND NAME:
CONGRESSIONAL DIST:
LEGISLATIVE DIST:
HYDROLOGICAL UNTIS:
EPA REGION: 09
AIRSHED:
CENSUS BLOCK:

Environmental FirstSearch

Site Detail Report

Target Property: FORD ISLAND NAVAL FAMILY HOUSING
HONOLULU HI 96844

JOB: 904283

FINDS

SEARCH ID: 11 **DIST/DIR:** NON GC **MAP ID:**

NAME: 3 FORD ISLAND, NAVAL STATION, PEARL HARBOR ADDRESS: 3 FORD ISLAND PEARL HARBOR HI 96860 HONOLULU CONTACT:	REV: 11/1/06 ID1: 110027170754 ID2: STATUS: FRS PHONE:
--	---

FACILITY REGISTRATION INFORMATION:

PROGRAM: HEER-FRS PROVIDED BY: STATE AGENCY AGENCY INT QUAL: INT END QUAL: LAST REPORTED: ENFORCEMENT ACT: REG PROGRAM: STATE MASTER -	PROGRAM ID: X100355 AGENCY INTERESTED: INTEREST ENDED: SOURCE OF DATA: HEER-FRS LAST EXTRACTED: 10/30/2006 6:50:23 PM
---	--

PROGRAM: FRS PROVIDED BY: FEDERAL AGENCY AGENCY INT QUAL: INT END QUAL: LAST REPORTED: 10/30/2006 6:50:23 PM ENFORCEMENT ACT: REG PROGRAM: FACILITY -	PROGRAM ID: 110027170754 AGENCY INTERESTED: 10/30/2006 6:50:23 PM INTEREST ENDED: SOURCE OF DATA: HEER-FRS LAST EXTRACTED:
--	---

SITE TYPE: FACILITY
INTEREST STATUS: ACTIVE
DATA QUALITY: V
LOCATION DESC: NAVAL STATION AUSTRALIAN SUBMARINE RANKINS
ADDRESS TYPE: REGULAR URBAN
LAST REPORTED:
POSTED TO DATABASE: 10/30/2006 6:50:23 PM
DATA UPDATED:
ENTERED PERSON/METHOD: REFRESH
PARENT REG ID:
CONFIDENCE IN ADDR:
ENFORCEMENT SENSITIVE:
REQ MANUAL REVIEW:
REASON MAN REVIEW:
SMALL BUS POLICY:
ENFORCEMENT ACTION:
DATA PUB ACCESS: YES
INTERNAL SYS ID:

FEDERAL FACILITY: NO
FEDERAL AGENCY:
TRIBAL LAND:
TRIBAL LAND NAME:
CONGRESSIONAL DIST:
LEGISLATIVE DIST:
HYDROLOGICAL UNTIS:
EPA REGION: 09
AIRSHED:
CENSUS BLOCK:

***Environmental FirstSearch
Site Detail Report***

Target Property: FORD ISLAND NAVAL FAMILY HOUSING
HONOLULU HI 96844

JOB: 904283

HISTSITES

SEARCH ID: 19

DIST/DIR: NON GC

MAP ID:

NAME: USS ARIZONA WRECK
ADDRESS: OFF FORD ISLAND, PEARL HARBOR
HONOLULU HI

REV: 11/15/05
ID1: 89001083
ID2:
STATUS: STRUCTURE
PHONE:

CONTACT:

SITE INFORMATION:

CERTIFICATION: LISTED IN THE NATIONAL REGISTER
DATE OF PRIMARY CERTIFICATION: 1989-05-05
SIZE OF PROPERTY IN ACRES: 9

NUMBER OF CONTRIBUTING BUILDINGS: 000000
NUMBER OF CONTRIBUTING SITES: 000000
NUMBER OF CONTRIBUTING STRUCTURES: 000001
NUMBER OF CONTRIBUTING OBJECTS: 000000
NUMBER OF NON-CONTRIBUTING BUILDINGS: 000000
NUMBER OF NON-CONTRIBUTING SITES: 000000
NUMBER OF NON-CONTRIBUTING STRUCTURES: 000000
NUMBER OF NON-CONTRIBUTING OBJECTS: 000000

OWNER TYPE: FEDERAL

CURRENT FUNCTION: LANDSCAPE

HISTORIC FUNCTION: NAVAL FACILITY

LEVEL OF SIGNIFICANCE: NATIONAL

***Environmental FirstSearch
Site Detail Report***

Target Property: FORD ISLAND NAVAL FAMILY HOUSING
HONOLULU HI 96844

JOB: 904283

HISTSITES

SEARCH ID: 20

DIST/DIR: NON GC

MAP ID:

NAME: USS UTAH WRECK
ADDRESS: OFF FORD ISLAND, PEARL HARBOR
HONOLULU HI

REV: 11/15/05
ID1: 89001084
ID2:
STATUS: STRUCTURE
PHONE:

CONTACT:

SITE INFORMATION:

CERTIFICATION: LISTED IN THE NATIONAL REGISTER
DATE OF PRIMARY CERTIFICATION: 1989-05-05
SIZE OF PROPERTY IN ACRES: 9

NUMBER OF CONTRIBUTING BUILDINGS: 000000
NUMBER OF CONTRIBUTING SITES: 000000
NUMBER OF CONTRIBUTING STRUCTURES: 000001
NUMBER OF CONTRIBUTING OBJECTS: 000000
NUMBER OF NON-CONTRIBUTING BUILDINGS: 000000
NUMBER OF NON-CONTRIBUTING SITES: 000000
NUMBER OF NON-CONTRIBUTING STRUCTURES: 000000
NUMBER OF NON-CONTRIBUTINGOBJECTS: 000000

OWNER TYPE: FEDERAL

CURRENT FUNCTION: VACANT/NOT IN USE

HISTORIC FUNCTION: NAVAL FACILITY

LEVEL OF SIGNIFICANCE: NATIONAL

***Environmental FirstSearch
Site Detail Report***

Target Property: FORD ISLAND NAVAL FAMILY HOUSING
HONOLULU HI 96844

JOB: 904283

LUST

SEARCH ID: 17	DIST/DIR: NON GC	MAP ID:
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NAME: LIFT STATION FI-047 ADDRESS: RANGER LOOP ON FORD ISLAND PEARL HARBOR HI 96860	REV: 07/28/06 ID1: 9-103808 ID2: STATUS: PHONE:
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CONTACT:

Event ID Number:	060028
Facility ID Number:	9-103808
Status Date:	6/1/2006
Status:	Confirmed Release
Project Officer	(b)

LUST

SEARCH ID: 18	DIST/DIR: NON GC	MAP ID:
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NAME: NAVAL OCEAN PROCESSING FACILITY ADDRESS: BOX 1395, FORD ISLAND, NS 77-1, 77-2, 77-3 PEARL HARBOR HI 96860	REV: 07/28/06 ID1: 9-100990 ID2: STATUS: PHONE:
---	--

CONTACT:

Event ID Number:	900048
Facility ID Number:	9-100990
Status Date:	5/27/2005
Status:	Site Cleanup Completed
Project Officer	(b) (6)

***Environmental FirstSearch
Site Detail Report***

Target Property: FORD ISLAND NAVAL FAMILY HOUSING
HONOLULU HI 96844

JOB: 904283

NCDB

SEARCH ID: 23

DIST/DIR: NON GC

MAP ID:

NAME: SUBMARINE TRNG CENTER, BLDG 39-2ND FLOOR
ADDRESS: FORD ISLAND, PEARL HARBOR
PEARL HARBOR HI 96860

REV: 4/27/07
ID1: NCDB-0603-003620
ID2: 200206275810 1
STATUS: TSCA
PHONE:

CONTACT:

SITE INFORMATION

EPA REGION: 09
INSPECTOR ID: 200206275810 1
INSPECTION DATE: 6/27/2002
INSPECTOR NAME: RBILAN
LEGISLATION CODE: T

FACILITY FUNCTION: US - USER

INVESTIGATION TYPE: AES - AHERA, ENFORCEMENT, STATE CONDUCTED

REASON: NSS - NEUTRAL SCHEME, STATE

***Environmental FirstSearch
Site Detail Report***

Target Property: FORD ISLAND NAVAL FAMILY HOUSING
HONOLULU HI 96844

JOB: 904283

NCDB

SEARCH ID: 22

DIST/DIR: NON GC

MAP ID:

NAME: USS MISSOURI
ADDRESS: PIER F-5 FORD ISLAND
HONOLULU HI 96818
HONOLULU
CONTACT:

REV: 4/27/07
ID1: NCDB-0801-071260
ID2: 199811169ST03 1
STATUS: TSCA
PHONE:

SITE INFORMATION

EPA REGION:	09	INSPECTION REG OR ST:	09
INSPECTOR ID:	9ST03	INSPECTION DATE:	11/16/98
INSPECTOR NAME:	YTOKIWA	NUMBER OF SAMPLES:	0
NUMBER OF AUDITS:	0	DUNN and BRAD NUMBER:	
FEDERAL FACILITY:	N	LEGISLATION CODE:	T
NUMBER OF SCHOOLS:	0	SCHOOL TYPE:	
EPA PESTICIDE ID:		EPA FIFRA REG ID:	

FACILITY FUNCTION: US - USER

INVESTIGATION TYPE: 6PA - SECTION 6 PCB SEE CONDUCTED

REASON: FCA - FOR CAUSE, ASSOCIATED

REFERRAL TYPE :

PRINT INFO: USS MISSOURI MEMORIAL ASSOCIATION, INC.
P.O. BOX 6339
HONOLULU HI 96818-

SIC INFORMATION:

SIC 1:

SIC 2:

SIC 3:

SIC 4:

SIC 5:

SIC 6:

SAMPLE INFORMATION

CASE REVIEW INFORMATION:

SAMPLE NUMBER:	0	ACTION WARRANTED:	N
DOCKET NUMBER:		CASE NUMBER:	98-28
START DATE:	11/16/98	COMPLETION DATE:	3/28/99

IMPORT INFORMATION

- Continued on next page -

***Environmental FirstSearch
Site Detail Report***

Target Property: FORD ISLAND NAVAL FAMILY HOUSING
HONOLULU HI 96844

JOB: 904283

NCDB

SEARCH ID: 22

DIST/DIR: NON GC

MAP ID:

NAME: USS MISSOURI
ADDRESS: PIER F-5 FORD ISLAND
HONOLULU HI 96818
HONOLULU

REV: 4/27/07
ID1: NCDB-0801-071260
ID2: 199811169ST03 1
STATUS: TSCA
PHONE:

CONTACT:

REFERRAL INFORMATION:

***Environmental FirstSearch
Site Detail Report***

Target Property: FORD ISLAND NAVAL FAMILY HOUSING
HONOLULU HI 96844

JOB: 904283

RCRAGN

SEARCH ID: 8

DIST/DIR: NON GC

MAP ID:

NAME: SEAL DELIVERY VEHICLE TEAM ONE
ADDRESS: FORD ISLAND BLDG 130
PEARL HARBOR HI 96860

REV: 8/8/01
ID1: HIR000064493
ID2:
STATUS: SGN
PHONE:

CONTACT:

SITE INFORMATION

UNIVERSE NAME:

SGN: GENERATES 100 - 1000 KG/MONTH OF HAZARDOUS WASTE

SIC INFORMATION:

ENFORCEMENT INFORMATION:

VIOLATION INFORMATION:

***Environmental FirstSearch
Site Detail Report***

Target Property: FORD ISLAND NAVAL FAMILY HOUSING
HONOLULU HI 96844

JOB: 904283

RCRAGN

SEARCH ID: 7

DIST/DIR: NON GC

MAP ID:

NAME: NAVY PWC - FORD ISLAND
ADDRESS: FORD ISLAND
PEARL HARBOR HI 96860

REV: 6/6/06
ID1: HI0000449199
ID2:
STATUS: LGN
PHONE: 8084711171 212

CONTACT: (b) (6)

SITE INFORMATION

CONTACT INFORMATION: (b) (6)
USNAVY P W C PEARL HBR N465
PEARL HARBOR HI 968605470

PHONE: 8084714835

UNIVERSE INFORMATION:

NAIC INFORMATION

92811 - NATIONAL SECURITY
48832 - MARINE CARGO HANDLING
92811 - NATIONAL SECURITY

ENFORCEMENT INFORMATION:

AGENCY: E - EPA **DATE:** 12/9/1996
TYPE: 120 - WRITTEN INFORMAL

AGENCY: E - EPA **DATE:** 12/9/1996
TYPE: 120 - WRITTEN INFORMAL

VIOLATION INFORMATION:

VIOLATION NUMBER: 0001 **RESPONSIBLE:** E - EPA
DETERMINED: 11/25/1996 **DETERMINED BY:** E - EPA
CITATION:
RESOLVED: 3/13/1997
TYPE: GENERATOR-OTHER REQUIREMENTS

VIOLATION NUMBER: 0002 **RESPONSIBLE:** E - EPA
DETERMINED: 11/25/1996 **DETERMINED BY:** E - EPA
CITATION:
RESOLVED: 3/13/1997
TYPE: GENERATOR-PRE-TRANSPORT REQUIREMENTS

VIOLATION NUMBER: 0003 **RESPONSIBLE:** E - EPA
DETERMINED: 11/25/1996 **DETERMINED BY:** E - EPA
CITATION:
RESOLVED: 3/13/1997
TYPE: GENERATOR-LAND BAN REQUIREMENTS

HAZARDOUS WASTE INFORMATION:

- Continued on next page -

Environmental FirstSearch
Site Detail Report

Target Property: FORD ISLAND NAVAL FAMILY HOUSING
HONOLULU HI 96844

JOB: 904283

RCRAGN

SEARCH ID: 7

DIST/DIR: NON GC

MAP ID:

NAME: NAVY PWC - FORD ISLAND
ADDRESS: FORD ISLAND
PEARL HARBOR HI 96860

REV: 6/6/06
ID1: HI0000449199
ID2:
STATUS: LGN
PHONE: 8084711171 212

CONTACT: (b) (6)

Benzene
Corrosive waste
Ignitable waste
D000
Chromium
Chlordane
Cadmium

The following spent halogenated solvents used in degreasing: Tetrachloroethylene, trichloroethylene, methylene chloride, 1,1,1-trichloroethane, carbon tetrachloride and chlorinated fluorocarbons; all spent solvent mixtures/bl

Mercury

The following spent non-halogenated solvents: toluene, methyl ethyl ketone, carbon disulfide, isobutanol, pyridine, benzene, 2-ethoxyethanol, and 2-nitropropane; all spent solvent mixtures/blends containing, before use, a to

The following spent non-halogenated solvents: Xylene, acetone, ethyl acetate, ethyl benzene, ethyl ether, methyl isobutyl ketone, n-butyl alcohol, cyclohexanone, and methanol; all spent solvent mixtures/ blends containing, b

The following spent halogenated solvents: Tetrachloroethylene, methylene chloride, trichloroethylene, 1,1,1-trichloroethane, chlorobenzene, 1,1,2-trichloro-1,2,2-trifluoroethane, ortho-dichlorobenzene, trichlorofluoromethane

Barium

Tetrachloroethylene

Silver

Selenium

Reactive waste

Methyl ethyl ketone

1,2-Dichloroethane

Lead

Ethane, 1,1,1-trichloro- (OR) Methyl chloroform

Arsenic

The following spent non-halogenated solvents: cresols, cresylic acid, and nitrobenzene; all spent solvent mixtures/blends containing, before use, a total of ten percent or more (by volume) of one or more of the above non-hal

***Environmental FirstSearch
Site Detail Report***

Target Property: FORD ISLAND NAVAL FAMILY HOUSING
HONOLULU HI 96844

JOB: 904283

RCRANLR

SEARCH ID: 9

DIST/DIR: NON GC

MAP ID:

NAME: SEAL DELIVERY VEHICLE TEAM ONE
ADDRESS: FORD ISLAND BLDG 130
PEARL HARBOR HI 96860
HONOLULU
CONTACT: (b) (6)

REV: 6/6/06
ID1: HIR000064493
ID2:
STATUS: NLR
PHONE: 8084711171

SITE INFORMATION

CONTACT INFORMATION: (b) (6)
BLDG 130 WASP AVE FORD ISLAND
PEARL HARBOR HI 96860

PHONE: 8084711171

UNIVERSE INFORMATION:

NAIC INFORMATION

ENFORCEMENT INFORMATION:

VIOLATION INFORMATION:

HAZARDOUS WASTE INFORMATION:

Ignitable waste
Corrosive waste

Environmental FirstSearch
Site Detail Report

Target Property: FORD ISLAND NAVAL FAMILY HOUSING
HONOLULU HI 96844

JOB: 904283

RELEASES

SEARCH ID: 21 **DIST/DIR:** NON GC **MAP ID:**

NAME: USN - NAVSTA PEARL HARBOR	REV: 6/10/96
ADDRESS: FORD ISLAND BLDG 44	ID1: 494836
PEARL HARBOR HI 96860	ID2:
OAHU	STATUS: FIXED FACILITY
CONTACT:	PHONE:

SPILL INFORMATION

DATE OF SPILL: 6/10/96 **TIME OF SPILL:** 1130

PRODUCT RELEASED (1): OIL: DIESEL
QUANTITY (1): 50
UNITS (1): GAL

PRODUCT RELEASED (2):
QUANTITY (2):
UNITS (2):

PRODUCT RELEASED (3):
QUANTITY (3):
UNITS (3):

MEDIUM/MEDIA AFFECTED

AIR: NO	GROUNDWATER: NO	
LAND: NO	FIXED FACILITY: NO	
WATER: YES	OTHER: NO	
WATERBODY AFFECTED BY RELEASE: PEARL HARBOR		

CAUSE OF RELEASE

DUMPING: NO	EQUIPMENT FAILURE: NO	
NATURAL PHENOMENON: NO	OPERATOR ERROR: NO	
OTHER CAUSE: NO	TRANSP. ACCIDENT: NO	
UNKNOWN: NO		

ACTIONS TAKEN: RELEASE STOPPED/BOOM TO BE DEPLOYED
RELEASE DETECTION: 2 IN FUEL SUPPLY LINE ON A PIER/LEAKING FITTING
MISC. NOTES: WILL NOTIFY: LEPC, CERC

DISCHARGER INFORMATION

DISCHARGER ID: 494836	DUN and BRADSTREET :
TYPE OF DISCHARGER: FEDERAL GOVERNMENT	
NAME OF DISCHARGER: USN - NAVSTA PEARL HARBOR	
ADDRESS: BOX 21	
PEARL HARBOR HI 96860-6000	

***Environmental FirstSearch
Site Detail Report***

Target Property: FORD ISLAND NAVAL FAMILY HOUSING
HONOLULU HI 96844

JOB: 904283

UST

SEARCH ID: 16

DIST/DIR: NON GC

MAP ID:

NAME: NAVAL SUBMARINE TRAINING CTR PAC
ADDRESS: FORD ISLAND SCHOOL FACILITIES
PEARL HARBOR HI 96860

REV: 01/15/00
ID1: 9-100969
ID2:
STATUS: CURRENTLY IN USE
PHONE:

CONTACT:

Tank ID Number: 001
Tank Status Description: Currently in Use
Tank Capacity: 500
Substance Description: Diesel
Construction Material: Concrete
Date Installed: 2/6/64
Date Closed:

Owner Name: NAVAL SUBMARINE TRAINING CENTER PACIFIC Pearl Harbor HI 96860

Tank ID Number: 002
Tank Status Description: Currently in Use
Tank Capacity: 5000
Substance Description: Diesel
Construction Material: Other
Date Installed: 2/6/64
Date Closed:

Owner Name: NAVAL SUBMARINE TRAINING CENTER PACIFIC Pearl Harbor HI 96860

***Environmental FirstSearch
Site Detail Report***

Target Property: FORD ISLAND NAVAL FAMILY HOUSING
HONOLULU HI 96844

JOB: 904283

UST

SEARCH ID: 13

DIST/DIR: NON GC

MAP ID:

NAME: LIFT STATION FI-047

REV: 08/04/06

ADDRESS: RANGER LOOP ON FORD ISLAND
PEARL HARBOR HI 96860

ID1: 9-103808

ID2:

STATUS: CURRENTLY IN USE

CONTACT:

PHONE:

Tank ID Number:

1

Tank Status Description:

Currently In Use

Tank Capacity:

500

Substance Description:

Not Listed

Construction Material:

Date Installed:

Date Closed:

Owner Name:

US Navy - Commandar Navy Region Hawaii 850 Ticonderoga St, Ste 110 Pearl

Harbor HI 96860

***Environmental FirstSearch
Site Detail Report***

Target Property: FORD ISLAND NAVAL FAMILY HOUSING
HONOLULU HI 96844

JOB: 904283

UST

SEARCH ID: 15

DIST/DIR: NON GC

MAP ID:

NAME: NAVAL OCEAN PROCESSING FACILITY
ADDRESS: BOX 1395, FORD ISLAND, NS 77-1, 77-2, 77-3
PEARL HARBOR HI 96860

REV: 08/04/06
ID1: 9-100990
ID2:
STATUS: PERMANENTLY OUT OF USE
PHONE:

CONTACT:

Tank ID Number: R-1
Tank Status Description: Permanently Out of Use
Tank Capacity: 4000
Substance Description: Diesel
Construction Material: Fiberglass Reinforced Plastic
Date Installed: 04/30/77
Date Closed: 01/15/96

Owner Name: NAVAL STATION PEARL HARBOR BOX 21 Pearl Harbor HI 96860

Tank ID Number: R-2
Tank Status Description: Permanently Out of Use
Tank Capacity: 4000
Substance Description: Diesel
Construction Material: Fiberglass Reinforced Plastic
Date Installed: 04/30/77
Date Closed: 01/15/96

Owner Name: NAVAL STATION PEARL HARBOR BOX 21 Pearl Harbor HI 96860

Tank ID Number: R-3
Tank Status Description: Permanently Out of Use
Tank Capacity: 4000
Substance Description: Diesel
Construction Material: Fiberglass Reinforced Plastic
Date Installed: 04/30/77
Date Closed: 01/15/96

Owner Name: NAVAL STATION PEARL HARBOR BOX 21 Pearl Harbor HI 96860

***Environmental FirstSearch
Site Detail Report***

Target Property: FORD ISLAND NAVAL FAMILY HOUSING
HONOLULU HI 96844

JOB: 904283

UST

SEARCH ID: 14

DIST/DIR: NON GC

MAP ID:

NAME: NAVAL AIR STATION - FORD ISLAND
ADDRESS: FORD ISLAND, BLDG 88 TANK 63
PEARL HARBOR HI 96860

REV: 08/04/06
ID1: 9-102630
ID2:
STATUS: PERMANENTLY OUT OF USE
PHONE:

CONTACT:

Tank ID Number: 63
Tank Status Description: *Permanently Out of Use*
Tank Capacity: 2500
Substance Description: *Not Listed*
Construction Material: *Not Listed*
Date Installed:
Date Closed:

Owner Name: US NAVY - COMNAVREG - HI 517 RUSSELL AVE, SUITE 110 Pearl Harbor HI
96860

Environmental FirstSearch Descriptions

NPL: EPA NATIONAL PRIORITY LIST - The National Priorities List is a list of the worst hazardous waste sites that have been identified by Superfund. Sites are only put on the list after they have been scored using the Hazard Ranking System (HRS), and have been subjected to public comment. Any site on the NPL is eligible for cleanup using Superfund Trust money.

A Superfund site is any land in the United States that has been contaminated by hazardous waste and identified by the Environmental Protection Agency (EPA) as a candidate for cleanup because it poses a risk to human health and/or the environment.

FINAL - Currently on the Final NPL

PROPOSED - Proposed for NPL

NPL DELISTED: EPA NATIONAL PRIORITY LIST Subset - Database of delisted NPL sites. The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

DELISTED - Deleted from the Final NPL

CERCLIS: EPA COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITY INFORMATION SYSTEM (CERCLIS)- CERCLIS is a database of potential and confirmed hazardous waste sites at which the EPA Superfund program has some involvement. It contains sites that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL.

PART OF NPL- Site is part of NPL site

DELETED - Deleted from the Final NPL

FINAL - Currently on the Final NPL

NOT PROPOSED - Not on the NPL

NOT VALID - Not Valid Site or Incident

PROPOSED - Proposed for NPL

REMOVED - Removed from Proposed NPL

SCAN PLAN - Pre-proposal Site

WITHDRAWN - Withdrawn

NFRAP: EPA COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITY INFORMATION SYSTEM ARCHIVED SITES - database of Archive designated CERCLA sites that, to the best of EPA's knowledge, assessment has been completed and has determined no further steps will be taken to list this site on the National Priorities List (NPL). This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

NFRAP – No Further Remedial Action Plan

P - Site is part of NPL site

D - Deleted from the Final NPL

F - Currently on the Final NPL

N - Not on the NPL

O - Not Valid Site or Incident

P - Proposed for NPL

R - Removed from Proposed NPL

S - Pre-proposal Site

W – Withdrawn

RCRA COR ACT: EPA RESOURCE CONSERVATION AND RECOVERY INFORMATION SYSTEM SITES - Database of hazardous waste information contained in the Resource Conservation and Recovery Act Information (RCRAInfo), a national program management and inventory system about hazardous waste handlers. In general, all generators, transporters, treaters, storers, and disposers of hazardous waste are required to provide information about their activities to state environmental agencies. These agencies, in turn pass on the information to regional and national EPA offices. This regulation is governed by the Resource Conservation and Recovery Act (RCRA), as amended by the Hazardous and Solid Waste Amendments of 1984.

RCRAInfo facilities that have reported violations and subject to corrective actions.

RCRA TSD: EPA RESOURCE CONSERVATION AND RECOVERY INFORMATION SYSTEM

TREATMENT, STORAGE, and DISPOSAL FACILITIES. - Database of hazardous waste information contained in the Resource Conservation and Recovery Act Information (RCRAInfo), a national program management and inventory system about hazardous waste handlers. In general, all generators, transporters, treaters, storers, and disposers of hazardous waste are required to provide information about their activities to state environmental agencies. These agencies, in turn pass on the information to regional and national EPA offices. This regulation is governed by the Resource Conservation and Recovery Act (RCRA), as amended by the Hazardous and Solid Waste Amendments of 1984.

Facilities that treat, store, dispose, or incinerate hazardous waste.

RCRA GEN: EPA RESOURCE CONSERVATION AND RECOVERY INFORMATION SYSTEM GENERATORS - Database of hazardous waste information contained in the Resource Conservation and Recovery Act Information (RCRAInfo), a national program management and inventory system about hazardous waste handlers. In general, all generators, transporters, treaters, storers, and disposers of hazardous waste are required to provide information about their activities to state environmental agencies. These agencies, in turn pass on the information to regional and national EPA offices. This regulation is governed by the Resource Conservation and Recovery Act (RCRA), as amended by the Hazardous and Solid Waste Amendments of 1984. Facilities that generate or transport hazardous waste or meet other RCRA requirements.

LGN - Large Quantity Generators

SGN - Small Quantity Generators

VGN – Conditionally Exempt Generator.

Included are RAATS (RCRA Administrative Action Tracking System) and CMEL (Compliance Monitoring & Enforcement List) facilities.

RCRA NLR: EPA RESOURCE CONSERVATION AND RECOVERY INFORMATION SYSTEM SITES - Database of hazardous waste information contained in the Resource Conservation and Recovery Act Information (RCRAInfo), a national program management and inventory system about hazardous waste handlers. In general, all generators, transporters, treaters, storers, and disposers of hazardous waste are required to provide information about their activities to state environmental agencies. These agencies, in turn pass on the information to regional and national EPA offices. This regulation is governed by the Resource Conservation and Recovery Act (RCRA), as amended by the Hazardous and Solid Waste Amendments of 1984.

Facilities not currently classified by the EPA but are still included in the RCRAInfo database. Reasons for non classification:

Failure to report in a timely matter.

No longer in business.

No longer in business at the listed address.

No longer generating hazardous waste materials in quantities which require reporting.

Federal IC / EC: EPA BROWNFIELD MANAGEMENT SYSTEM (BMS) - database designed to assist EPA in collecting, tracking, and updating information, as well as reporting on the major activities and accomplishments of the various Brownfield grant Programs.

FEDERAL ENGINEERING AND INSTITUTIONAL CONTROLS- Superfund sites that have either an engineering or an institutional control. The data includes the control and the media contaminated.

ERNS: EPA/NRC EMERGENCY RESPONSE NOTIFICATION SYSTEM (ERNS) - Database of incidents reported to the National Response Center. These incidents include chemical spills, accidents involving chemicals (such as fires or explosions), oil spills, transportation accidents that involve oil or chemicals, releases of radioactive materials, sightings of oil sheens on bodies of water, terrorist incidents involving chemicals, incidents where illegally dumped chemicals have been found, and drills intended to prepare responders to handle these kinds of incidents. Data since January 2001 has been received from the National Response System database as the EPA no longer maintains this data.

Tribal Lands: DOI/BIA INDIAN LANDS OF THE UNITED STATES - Database of areas with boundaries established by treaty, statute, and (or) executive or court order, recognized by the Federal Government as territory in which American Indian tribes have primary governmental authority. The Indian Lands of the United States map layer shows areas of 640 acres or more, administered by the Bureau of Indian Affairs. Included are Federally-administered lands within a reservation which may or may not be considered part of the reservation.

State/Tribal IC: HI DOH INSTITUTIONAL CONTROLS LISTING-The Hawaii Department of Health's Office of Hazard Evaluation and Emergency Response (HEER) inventory of sites with institutional controls.

State/Tribal Sites: HI DOH STATE RESPONSE LISTING-The Hawaii Department of Health's Office of Hazard Evaluation and Emergency Response (HEER) inventory of facilities, sites, or areas in which HEER has

an interest, has investigated, or may investigate under HRS 128D (includes CERCLIS sites).

State/Tribal VCP: *HI DOH* VOLUNTARY RESPONSE PROGRAM LISTING-The Hawaii Department of Health's Office of Hazard Evaluation and Emergency Response (HEER) inventory of sites participating in the state's Voluntary Response Program.

State/Tribal Brownfields: *HI DOH* STATE BROWNFIELDS LISTING-The Hawaii Department of Health's Office of Hazard Evaluation and Emergency Response (HEER) inventory of brownfields sites.

State/Tribal LUST: *HI DOH* LEAKING UNDERGROUND STORAGE TANKS-The Hawaii Department of Health's inventory of sites with leaking underground storage tanks.

State/Tribal UST/AST: *HI DOH* UNDERGROUND STORAGE TANKS- The Hawaii Department of Health's inventory of underground storage tanks.

State ACEC: *USFWS* US FISH AND WILDLIFE CONTACT INFORMATION - database of contact information for the US Fish and Wildlife Service loaded by zipcode.

Wetlands: *US FWS* NATIONAL WETLANDS INVENTORY (NWI) - database of information on the characteristics, extent, and status of the Nation's wetlands and deepwater habitats. This data is available for select areas of the United States.

Floodplains: *FEMA* FLOODPLAINS – database of 100 year and 500 year flood zone boundaries for select counties in the United States

Receptors: *US DOC* SENSITIVE RECEPTORS - 2005 Census Bureau's TIGER (Topologically Integrated Geographic Encoding and Referencing System) database of schools and hospitals. List of schools and hospitals that may house individuals deemed sensitive to environmental discharges due to their fragile immune systems.

Historic Landmarks: *NPS* NATIONAL REGISTRY OF HISTORIC PLACES DATABASE - The nation's official list of cultural resources worthy of preservation. Properties listed include districts, sites, buildings, structures, and objects that are significant in American history, architecture, archeology, engineering, and culture.

Federal Land Use: *USGS/EPA/FWS* FEDERAL LANDS OF THE UNITED STATES - Database of lands owned or administered by the Federal Government, including the Bureau of Land Management, the Bureau of Reclamation, the U.S. Department of Agriculture Forest Service, the Department of Defense, the U.S. Fish and Wildlife Service, the National Park Service, the Tennessee Valley Authority, and other agencies. Only areas of 640 acres or more are included. Descriptive information includes the name and type of the Federal land and the administering agency.

ENDANGERED SPECIES PROTECTION PROGRAM DATABASE – List of the Endangered Species by county and the species status./n NATIONAL WILDLIFE REGUGE DATA - database of boundaries for National Wildlife Refuges, National Fish Hatcheries, and USFWS administrative sites. Contains information regarding refuge name and contact information.

Federal Wells: *USGS* UNITED STATES GROUND-WATER SITES INVENTORY - Database of more than 850,000 records of wells, springs, test holes, tunnels, drains, and excavations in the United States.

USGS Soils: *USGS/NRCS* NATIONAL SOILS DATABASE - Database comprised of the State Soil Geographic (STATSGO) data for the conterminous United States, Soil Survey Geographic (SSURGO) and Digital Data Series Bedrock data. These databases contain information regarding soil characteristics such as water capacity, percent clay, organic material, permeability, thickness of layers, hydrological characteristics, quality of drainage, surface, slope, liquid limit, and the annual frequency of flooding.

NPDES: *EPA* THE NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM - Database of permitted facilities receiving and discharging effluents to and from a natural source where treatment of the effluent is monitored.

FINDS: *EPA* FACILITY INDEX SYSTEM(FINDS)/FACILITY REGISTRY SYSTEM(FRS) - The index of identification numbers associated with a property or facility which the EPA has investigated or has been made aware of in conjunction with various regulatory programs. Each record indicates the EPA office that may have files on the site or facility. A Facility Registry System site has an FRS in the status field.

TRIS: *EPA* TOXIC RELEASE INVENTORY SYSTEM (TRIS)– Database that contains information on toxic chemical releases and other waste management activities reported annually by certain covered industry groups as well as federal facilities. This inventory was established under the Emergency Planning and Community Right-to-Know Act of 1986 (EPCRA) and expanded by the Pollution Prevention Act of 1990.

HMIRS: *US DOT* HAZARDOUS MATERIALS INCIDENT RESPONSE SYSTEM - Database of information regarding materials, packaging, and a description of events for tracked incidents.

NCDB: *EPA* NATIONAL COMPLIANCE DATA BASE SYSTEM - Database of regional compliance and enforcement activity and manages the Pesticides and Toxic Substances Compliance and Enforcement program at a national level. The system tracks all compliance monitoring and enforcement activities from the time an inspector conducts an inspection until the time the inspector closes or the case settles the enforcement action. NCDB is the national repository of the 10 regional and Headquarters FIFRA/TSCA Tracking System (FTTS). Data collected in the regional FTTS is transferred to NCDB to support the need for monitoring national performance of regional programs.

PADS: *EPA* DATABASE OF PCB HANDLERS - Database of PolyChlorinatedBiPhenol generators, transporters, storers and/or disposers that are required to register with the EPA. This database indicates the type of handler and registration number. Also included is the PCB Transformer Registration Database.

RADON: *NTIS* NATIONAL RADON DATABASE - EPA radon data from 1990-1991 national radon project collected for a variety of zip codes across the United States.

Nuclear Permits: *EPA/NRC* PERMITTED NUCLEAR FACILITIES - This database is a comprehensive listing of all facilities which have been issued permits for the handling of radioactive materials, in addition it also contains a complete listing of all licensed and active nuclear power plants located within the United States. THE RADINFO DATABASE - Database of basic information about facilities that are permitted and regulated for their use and handling of radioactive materials.

Environmental FirstSearch Database Sources

NPL: EPA Environmental Protection Agency

Updated quarterly

NPL DELISTED: EPA Environmental Protection Agency

Updated quarterly

CERCLIS: EPA Environmental Protection Agency

Updated quarterly

NFRAP: EPA Environmental Protection Agency.

Updated quarterly

RCRA COR ACT: EPA Environmental Protection Agency.

Updated quarterly

RCRA TSD: EPA Environmental Protection Agency.

Updated quarterly

RCRA GEN: EPA Environmental Protection Agency.

Updated quarterly

RCRA NLR: EPA Environmental Protection Agency

Updated quarterly

Federal IC / EC: EPA Environmental Protection Agency

Updated quarterly

ERNS: EPA/NRC Environmental Protection Agency

Updated semi-annually

Tribal Lands: DOI/BIA United States Department of the Interior

Updated annually

State/Tribal IC: HI DOH Office of Hazard Evaluation and Emergency Response, Hawaii State Department

of Health

Updated biannually

State/Tribal Sites: *HI DOH* Office of Hazard Evaluation and Emergency Response, Hawaii State Department of Health

Updated biannually

State/Tribal VCP: *HI DOH* Office of Hazard Evaluation and Emergency Response, Hawaii State Department of Health

Updated biannually

State/Tribal Brownfields: *HI DOH* Office of Hazard Evaluation and Emergency Response, Hawaii State Department of Health

Updated biannually

State/Tribal LUST: *HI DOH* The Hawaii Department of Health, Solid and Hazardous Waste Branch

Updated biannually

State/Tribal UST/AST: *HI DOH* The Hawaii Department of Health, Solid and Hazardous Waste Branch

Updated biannually

State ACEC: *USFWS* United States Fish and Wildlife Services

Updated semi-annually

Wetlands: *US FWS* U.S. Fish and Wildlife Service

Updated when available

Floodplains: *FEMA* Federal Emergency Management Agency

Updated when available

Receptors: *US DOC* US Department of Commerce, Census Bureau

Updated periodically

Historic Landmarks: *NPS* National Park Service

Updated annually

Federal Land Use: *USGS/EPA/FWS* U.S. Geological Survey
Environmental Protection Agency

Updated annually

Federal Wells: *USGS* United States Geographical Survey.

Updated annually

USGS Soils: *USGS/NRCS* United States Geographical Survey

Updated annually

NPDES: *EPA* Environmental Protection Agency

Updated quarterly

FINDS: *EPA* Environmental Protection Agency

Updated annually

TRIS: *EPA* Environmental Protection Agency.

Updated quarterly

HMIRS: *US DOT* US Department of Transportation

Updated quarterly

NCDB: *EPA* Environmental Protection Agency

Updated quarterly

PADS: *EPA* Environmental Protection Agency

Updated quarterly

RADON: *NTIS* Environmental Protection Agency, National Technical Information Services

Updated periodically

Nuclear Permits: *EPA/NRC* Nuclear Regulatory Commission

Updated periodically

Environmental FirstSearch
Street Name Report for Streets within .25 Mile(s) of Target Property

Target Property: FORD ISLAND NAVAL FAMILY HOUSING
HONOLULU HI 96844

JOB: 904283

Street Name	Dist/Dir	Street Name	Dist/Dir
1st St	0.00 --		
2nd St	0.03 SE		
3rd St	0.07 SE		
4th St	0.14 SE		
5th St	0.22 SE		
Avenue G	0.03 NE		
Avenue H	0.12 SE		
Avenue J	0.00 --		
Central Ave	0.20 SE		
Ford Island Way	0.00 --		
Hospital Way	0.00 --		
NOCOVERAGE	0.00 --		



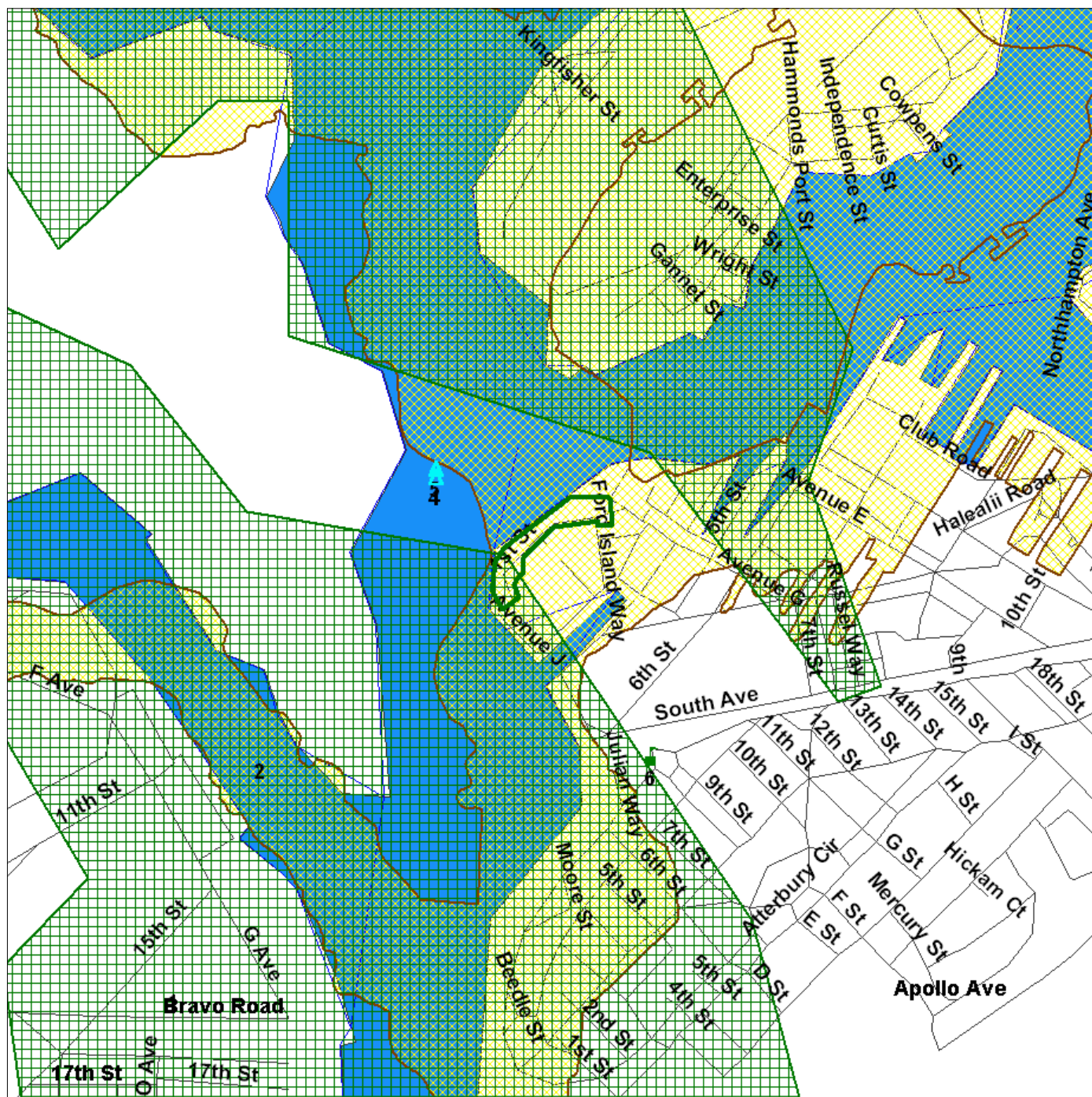
Environmental FirstSearch

1 Mile Radius from Area

Single Map:



FORD ISLAND NAVAL FAMILY HOUSING, HONOLULU HI 96844

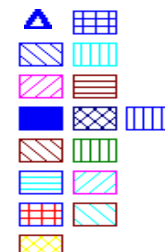


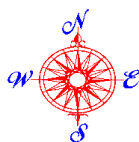
Source: U.S. Census TIGER Files

Area Polygon
 Identified Site, Multiple Sites, Receptor
 NPL, DELNPL, Brownfield, Solid Waste Landfill (SWL), Hazardous Waste
 Triballand.....
 National Historic Sites and Landmark Sites
 Soil Sites
 Railroads



Public Water Supply, Zone II, Zone A, Interim Wellhead Protection Areas
 Potentially Productive Aquifers: High Yield (GAA), Medium Yield (GA)
 Non-Potential Drinking Source: High Yield (GB), Medium Yield (GC)...
 Water Bodies, Sole Source Aquifer
 Area of Critical Environmental Concern (ACEC), Protected Open Spaces
 Estimated Habitats of Rare Wetlands Wildlife, Vernal Pool
 Floodplains: 100 Year, 500 Year
 Wetlands



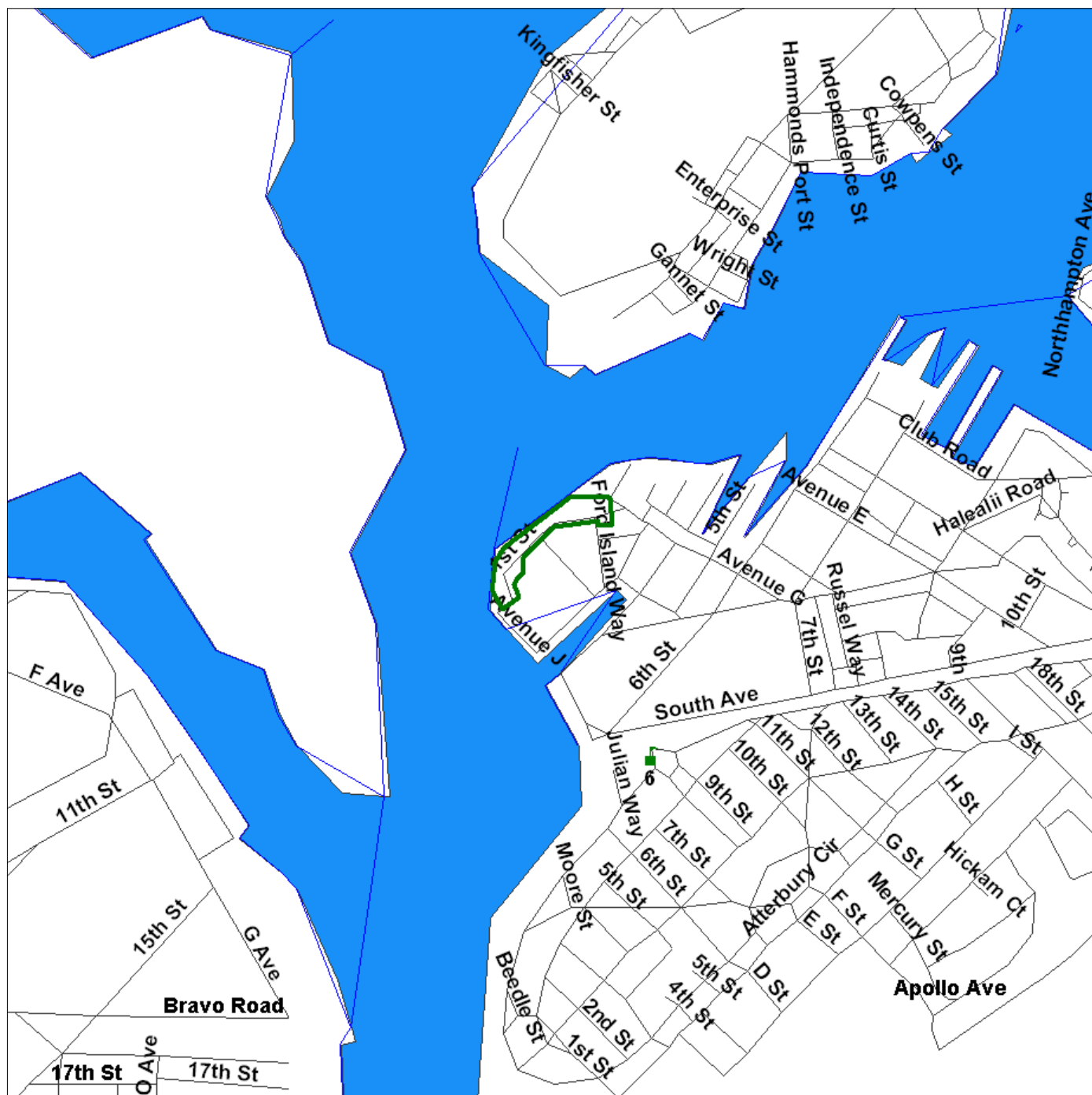


Environmental FirstSearch

1 Mile Radius from Area
ASTM-05 PARSONS: NPL, RCRACOR, STATE



FORD ISLAND NAVAL FAMILY HOUSING, HONOLULU HI 96844

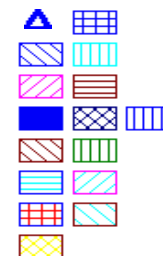


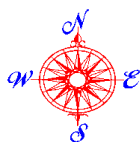
Source: U.S. Census TIGER Files

Area Polygon
Identified Site, Multiple Sites, Receptor
NPL, DELNPL, Brownfield, Solid Waste Landfill (SWL), Hazardous Waste
Triballand.....
National Historic Sites and Landmark Sites
Soil Sites
Railroads



Public Water Supply, Zone II, Zone A, Interim Wellhead Protection Areas
Potentially Productive Aquifers: High Yield (GAA), Medium Yield (GA)
Non-Potential Drinking Source: High Yield (GB), Medium Yield (GC)...
Water Bodies, Sole Source Aquifer
Area of Critical Environmental Concern (ACEC), Protected Open Spaces
Estimated Habitats of Rare Wetlands Wildlife, Vernal Pool
Floodplains: 100 Year, 500 Year
Wetlands



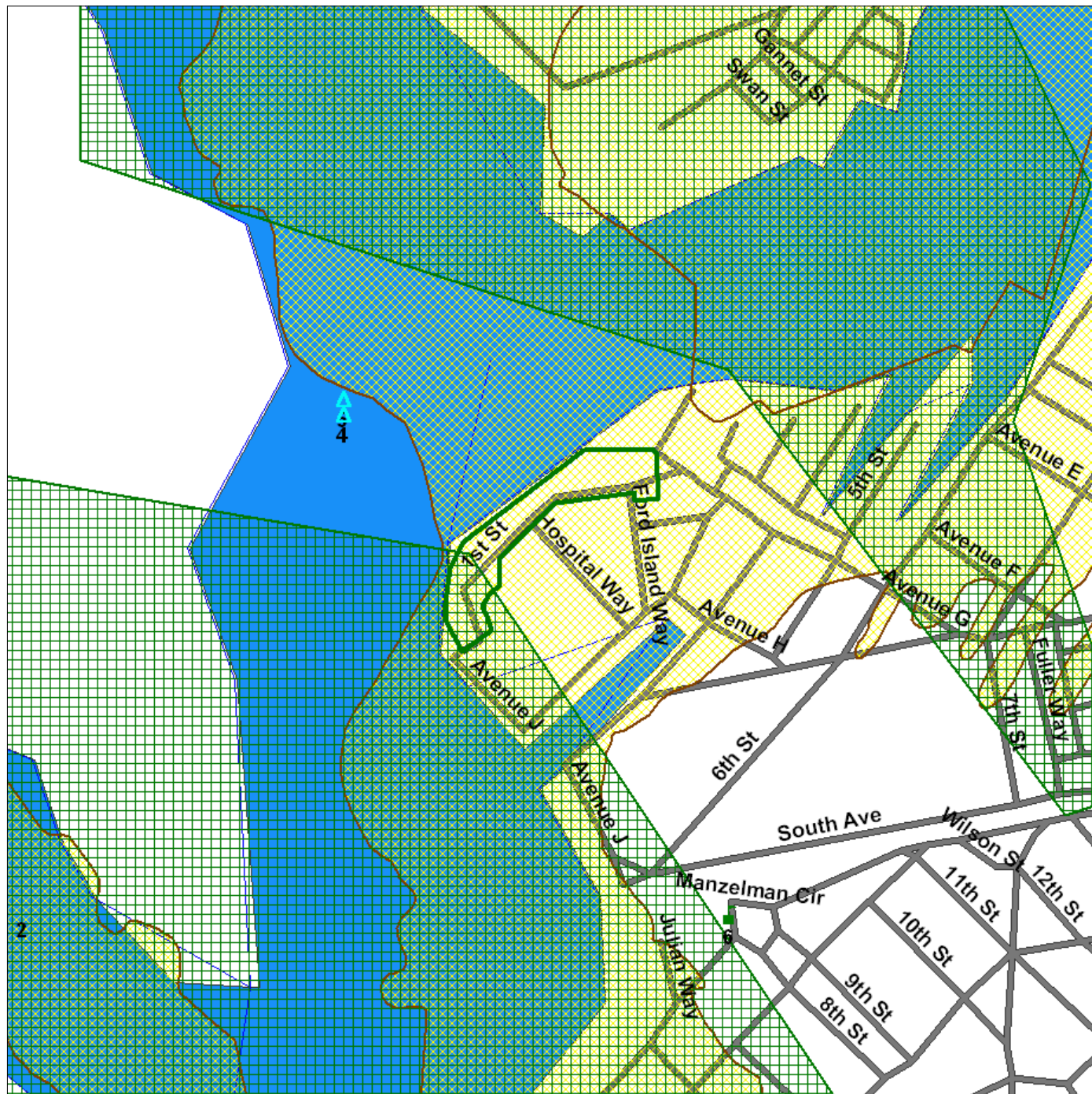


Environmental FirstSearch

.5 Mile Radius from Area
ASTM-05 PARSONS: Multiple Databases

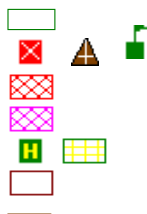


FORD ISLAND NAVAL FAMILY HOUSING, HONOLULU HI 96844

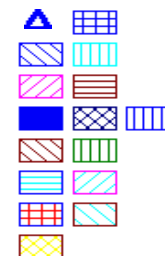


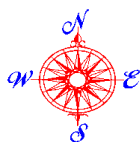
Source: U.S. Census TIGER Files

Area Polygon
Identified Site, Multiple Sites, Receptor
NPL, DELNPL, Brownfield, Solid Waste Landfill (SWL), Hazardous Waste
Triballand.....
National Historic Sites and Landmark Sites
Soil Sites
Railroads



Public Water Supply, Zone II, Zone A, Interim Wellhead Protection Areas
Potentially Productive Aquifers: High Yield (GAA), Medium Yield (GA)
Non-Potential Drinking Source: High Yield (GB), Medium Yield (GC)...
Water Bodies, Sole Source Aquifer
Area of Critical Environmental Concern (ACEC), Protected Open Spaces
Estimated Habitats of Rare Wetlands Wildlife, Vernal Pool
Floodplains: 100 Year, 500 Year
Wetlands





Environmental FirstSearch

.25 Mile Radius from Area
ASTM-05 PARSONS: Multiple Databases



FORD ISLAND NAVAL FAMILY HOUSING, HONOLULU HI 96844



Source: U.S. Census TIGER Files

Area Polygon
Identified Site, Multiple Sites, Receptor
NPL, DELNPL, Brownfield, Solid Waste Landfill (SWL), Hazardous Waste
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National Historic Sites and Landmark Sites
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Public Water Supply, Zone II, Zone A, Interim Wellhead Protection Areas
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